[handwritten annotation:] Martinell 10/047021 Page 1 Seq ID 86 (SS.4 Pub DBs

OM protein - protein search, using sw model

```
                Copyright  GenCore version 5.1.6
                Copyright (c) 1993 - 2004  Compugen Ltd.
```

Run on: June 25, 2004, 09:28:35 ; Search time 22 Seconds
                                         (without alignments)
                                         711.030 Million cell updates/sec

Title: US-10-047-021-86
Perfect score: 303
Sequence: 1 MGSGGDSLLGGRGSLPLLLL.........SGPRLPREARELRGQRRNTG 303

Scoring table: OLIGO
                Gapop 60.0 , Gapext 60.0

Searched: 389414 seqs, 51625971 residues

Word size :   0

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 1000 summaries

Database :   Issued_Patents_AA:*
         1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*
         2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
         3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep:*
         4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep:*
         5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep:*
         6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	10	3.3	1209	4	US-09-130-158A-2	Sequence 2, Appli
2	8	2.6	118	4	US-09-621-976-4124	Sequence 4124, Ap
3	8	2.6	161	4	US-09-673-395A-577	Sequence 577, App
4	8	2.6	189	4	US-08-837-029-2	Sequence 2, Appli
5	8	2.6	287	4	US-09-800-729-114	Sequence 114, App
6	8	2.6	287	4	US-09-800-729-153	Sequence 153, App
7	8	2.6	330	4	US-09-615-192A-284	Sequence 284, Appl
8	8	2.6	613	4	US-09-800-729-82	Sequence 82, Appl
9	8	2.6	613	4	US-09-800-729-98	Sequence 98, Appl
10	8	2.6	1501	2	US-08-447-464-3	Sequence 3, Appli
11	8	2.6	1501	2	US-08-716-679-3	Sequence 3, Appli
12	8	2.6	1911	1	US-08-348-006B-5	Sequence 5, Appli
13	8	2.6	1911	2	US-08-800-825A-5	Sequence 5, Appli
14	8	2.6	1911	3	US-09-158-657-5	Sequence 5, Appli
15	7	2.6	15	5	PCT-US94-10166-5	Sequence 29, Appli
16	7	2.3	57	2	PCT-US93-06751-29	Sequence 29, Appl
17	7	2.3	57	2	US-08-318-837-50	Sequence 50, Appl
18	7	2.3	66	3	US-09-540-236-2630	Sequence 2630, Ap
19	7	2.3	77	3	US-09-246-500B-14	Sequence 14, Appl
20	7	2.3	77	4	US-09-621-976-4010	Sequence 4010, Ap
21	7	2.3	94	4	US-08-858-664A-23	Sequence 23, Appl
22	7	2.3	94	4	US-10-274-978-24	Sequence 24, Appl
23	7	2.3	119	4	US-09-858-664A-30	Sequence 30, Appl
24	7	2.3	119	4	US-10-274-978-31	Sequence 31, Appl
25	7	2.3	126	1	US-08-276-852-142	Sequence 142, App
26	7	2.3	126	1	US-08-899-575-142	Sequence 142, App
27	7	2.3	126	1	US-08-899-575-142	Sequence 142, App
28	7	2.3	126	5	PCT-US95-08743-142	Sequence 142, App
29	7	2.3	134	4	US-09-621-975-3902	Sequence 3902, Ap
30	7	2.3	155	4	US-09-543-681A-4921	Sequence 4921, Ap
31	7	2.3	158	4	US-09-252-991A-32569	Sequence 32569, A
32	7	2.3	185	4	US-09-252-991A-26514	Sequence 26514, A
33	7	2.3	187	4	US-09-252-991A-29971	Sequence 29971, A
34	7	2.3	204	4	US-09-252-991A-30186	Sequence 30186, A
35	7	2.3	209	1	US-08-455-001-2	Sequence 2, Appli
36	7	2.3	209	3	US-08-308-814-2	Sequence 2, Appli
37	7	2.3	209	3	US-08-214-631-6	Sequence 6, Appli
38	7	2.3	209	5	PCT-US95-11869-2	Sequence 2, Appli
39	7	2.3	213	2	US-09-609-324A-10	Sequence 10, Appl
40	7	2.3	213	2	US-09-920-440B-10	Sequence 10, Appl
41	7	2.3	213	3	US-09-173-492-10	Sequence 10, Appl
42	7	2.3	213	3	US-09-173-133-10	Sequence 10, Appl
43	7	2.3	213	4	US-09-580-236A-10	Sequence 10, Appl
44	7	2.3	223	3	US-10-162-012-9	Sequence 9, Appli
45	7	2.3	230	3	US-08-952-235-2	Sequence 2, Appli
46	7	2.3	230	4	US-09-669-971-2	Sequence 2, Appli
47	7	2.3	242	1	US-08-289-699A-6	Sequence 6, Appli
48	7	2.3	242	4	US-08-878-283-6	Sequence 6, Appli
49	7	2.3	242	4	US-09-182-616-6	Sequence 6, Appli
50	7	2.3	246	4	US-09-532-856-4	Sequence 4, Appli
51	7	2.3	246	4	US-09-524-100C-4	Sequence 4, Appli
52	7	2.3	248	3	US-08-341-018-52	Sequence 52, Appl
53	7	2.3	248	3	US-08-470-335-210	Sequence 210, App
54	7	2.3	248	3	US-08-470-339-210	Sequence 210, App
55	7	2.3	248	4	US-09-198-603C-2	Sequence 2, Appli
56	7	2.3	248	4	US-08-467-602-207	Sequence 207, App
57	7	2.3	248	4	US-08-467-602-404	Sequence 404, App
58	7	2.3	252	3	US-08-812-58-48	Sequence 48, Appl
59	7	2.3	252	2	US-09-53--832A-45	Sequence 45, Appl
60	7	2.3	256	2	US-08-008-960-3	Sequence 3, Appli
61	7	2.3	256	3	US-09-368-240-3	Sequence 3, Appli
62	7	2.3	256	4	US-09-468-702-3	Sequence 3, Appli
63	7	2.3	262	4	US-09-328-352-6038	Sequence 6038, Ap
64	7	2.3	270	2	US-08-773-368-1	Sequence 1, Appli
65	7	2.3	270	3	US-09-199-887-1	Sequence 1, Appli
66	7	2.3	273	3	US-09-252-991A-31835	Sequence 3185, A
67	7	2.3	274	4	US-09-532-856-8	Sequence 8, Appli
68	7	2.3	274	2	US-09-524-100C-8	Sequence 8, Appli
69	7	2.3	279	2	US-09-008-960-1	Sequence 1, Appli
70	7	2.3	279	3	US-09-368-240-1	Sequence 1, Appli
71	7	2.3	279	3	US-09-468-702-1	Sequence 1, Appli
72	7	2.3	283	4	US-09-252-991A-26847	Sequence 26847, A
73	7	2.3	294	4	US-09-252-991A-22068	Sequence 22068, A
74	7	2.3	296	4	US-09-252-991A-17410	Sequence 17410, A
75	7	2.3	298	4	US-09-252-991A-29291	Sequence 29291, A
76	7	2.3	311	4	US-08-318-837-7	Sequence 7, Appli
77	7	2.3	318	1	US-08-220-958-4	Sequence 4, Appli
78	7	2.3	318	4	US-09-489-039A-10467	Sequence 10467, A
79	7	2.3	327	4	US-09-252-991A-32961	Sequence 32961, A
80	7	2.3	328	4	US-09-253-316-28	Sequence 28, Appl
81	7	2.3	328	6	5212074-4	Patent No. 5212074
82	7	2.3	335	1	US-08-085-122-13	Sequence 13, Appl
83	7	2.3	335	4	US-08-442-108B-23	Sequence 23, Appl
84	7	2.3	346	4	US-09-252-991A-24156	Sequence 24156, A
85	7	2.3	349	3	US-08-470-335-188	Sequence 188, App
86	7	2.3	353	4	US-09-707-794A-2	Sequence 2, Appli
87	7	2.3	353	4	US-09-905-125A-2	Sequence 2, Appli
88	7	2.3	353	4	US-09-902-775A-2	Sequence 2, Appli
89	7	2.3	358	4	US-09-252-991A-22410	Sequence 22410, A
90	7	2.3	369	4	US-09-107-532A-5754	Sequence 5754, Ap
91	7	2.3	382	4	US-08-467-602-382	Sequence 382, App
92	7	2.3	390	4	US-09-489-039A-9757	Sequence 9757, Ap
93	7	2.3	405	4	US-08-467-602-384	Sequence 384, App
94	7	2.3	411	3	US-08-470-339-189	Sequence 189, App
95	7	2.3	414	3	US-08-470-339-188	Sequence 188, App
96	7	2.3	422	1	US-08-036-555B-170	Sequence 170, App
97	7	2.3	422	1	US-08-469-569-170	Sequence 170, App
98	7	2.3	422	1	US-08-428-926-3	Sequence 3, Appli
99	7	2.3	422	1	US-08-249-322A-170	Sequence 170, App
100	7	2.3	422	1	US-08-428-927-3	Sequence 3, Appli

Left block (each row: index, 2.3, 7, num, count, patent, sequence):

#			Num	Cnt	Patent	Sequence
101	2.3	7	422	1	US-08-428-298-3	Sequence 3, Appli
102	2.3	7	422	1	US-08-339-517-3	Sequence 3, Appli
103	2.3	7	422	1	US-08-469-526A-170	Sequence 170, App
104	2.3	7	422	2	US-08-734-581A-170	Sequence 170, App
105	2.3	7	422	2	US-08-469-660-170	Sequence 170, App
106	2.3	7	422	3	US-08-341-018-72	Sequence 72, Appli
107	2.3	7	422	3	US-08-470-335-170	Sequence 170, App
108	2.3	7	422	3	US-08-735-021-170	Sequence 170, App
109	2.3	7	422	3	US-08-734-664A-170	Sequence 170, App
110	2.3	7	422	3	US-08-470-339-170	Sequence 170, App
111	2.3	7	422	3	US-09-071-224-2	Sequence 2, Appli
112	2.3	7	422	4	US-08-467-602-170	Sequence 170, App
113	2.3	7	422	4	US-08-467-602-324	Sequence 324, Appl
114	2.3	7	422	4	US-09-866-028-32	Sequence 32, Appl
115	2.3	7	422	5	PCT-US94-05083C-166	Sequence 166, App
116	2.3	7	422	5	PCT-US94-05083C-185	Sequence 185, App
117	2.3	7	422	5	PCT-US95-06846A-170	Sequence 170, App
118	2.3	7	425	4	US-08-470-335-226	Sequence 226, App
119	2.3	7	425	4	US-08-467-602-320	Sequence 320, App
120	2.3	7	426	3	US-09-486-192-2	Sequence 2, Appli
121	2.3	7	433	3	US-09-705-448-3	Sequence 3, Appli
122	2.3	7	434	3	US-09-012-072-4	Sequence 4, Appli
123	2.3	7	434	3	US-09-120-601-4	Sequence 4, Appli
124	2.3	7	445	3	US-08-974-691-6	Sequence 6, Appli
125	2.3	7	445	4	US-08-467-602-328	Sequence 328, App
126	2.3	7	448	3	US-09-120-601-6	Sequence 6, Appli
127	2.3	7	449	3	US-09-252-991A-17248	Sequence 17248, A
128	2.3	7	451	3	US-08-974-691-2	Sequence 2, Appli
129	2.3	7	453	3	US-09-532-855-6	Sequence 6, Appli
130	2.3	7	453	3	US-09-524-100C-6	Sequence 6, Appli
131	2.3	7	456	4	US-08-470-335-246	Sequence 246, App
132	2.3	7	456	4	US-08-467-602-303	Sequence 303, App
133	2.3	7	458	4	US-09-252-991A-30327	Sequence 30327, A
134	2.3	7	459	4	US-08-467-602-366	Sequence 366, App
135	2.3	7	459	3	US-08-470-335-239	Sequence 239, App
136	2.3	7	463	3	US-08-467-602-299	Sequence 299, App
137	2.3	7	463	4	US-08-467-602-362	Sequence 362, App
138	2.3	7	479	4	US-09-907-794A-285	Sequence 285, App
139	2.3	7	479	4	US-09-905-125A-285	Sequence 285, App
140	2.3	7	479	4	US-09-902-775A-285	Sequence 285, App
141	2.3	7	480	4	US-08-467-602-307	Sequence 307, App
142	2.3	7	488	4	US-08-467-602-370	Sequence 370, App
143	2.3	7	488	4	US-09-252-991A-31536	Sequence 31536, A
144	2.3	7	488	3	US-08-923-454A-18	Sequence 18, Appl
145	2.3	7	489	1	US-07-794-393-2	Sequence 2, Appli
146	2.3	7	490	1	US-08-001-711-2	Sequence 2, Appli
147	2.3	7	490	3	US-08-704-711A-22	Sequence 22, Appl
148	2.3	7	492	3	US-09-521-220-22	Sequence 22, Appl
149	2.3	7	492	3	US-09-391-104-31	Sequence 31, Appl
150	2.3	7	493	4	US-08-448-489-11	Sequence 11, Appl
151	2.3	7	502	3	US-08-445-586-10	Sequence 10, Appl
152	2.3	7	513	1	US-09-134-000C-6176	Sequence 6176, Ap
153	2.3	7	516	1	US-07-794-393-4	Sequence 4, Appli
154	2.3	7	533	1	US-08-001-711-4	Sequence 4, Appli
155	2.3	7	533	4	US-08-467-602-341	Sequence 341, App
156	2.3	7	533	3	US-08-622-191-2	Sequence 2, Appli
157	2.3	7	533	4	US-08-467-602-349	Sequence 349, App
158	2.3	7	563	2	US-09-252-991A-19788	Sequence 19788, A
159	2.3	7	581	4	US-09-866-028-69	Sequence 69, Appl
160	2.3	7	598	3	US-08-484-493-13	Sequence 13, Appl
161	2.3	7	601	3	US-08-484-494-13	Sequence 13, Appl
162	2.3	7	601	2	US-09-249-003-13	Sequence 13, Appl
163	2.3	7	604	4	US-09-685-844-13	Sequence 13, Appl
164	2.3	7	610	4	US-09-600-991-4	Sequence 4, Appli
165	2.3	7	610	2	US-08-989-186-7	Sequence 7, Appli
166	2.3	7		3	US-08-470-335-227	Sequence 227, App
167	2.3	7		4	US-08-467-602-323	Sequence 323, App
168	2.3	7		3	US-08-470-335-233	Sequence 233, App
169	2.3	7		4	US-08-467-602-318	Sequence 318, App
170	2.3	7		3	US-08-470-335-236	Sequence 236, App
171	2.3	7		4	US-08-467-602-332	Sequence 332, App

Right block (each row: index, 2.3, 7, num, count, patent, sequence):

#			Num	Cnt	Patent	Sequence
174	2.3	7	613	3	US-08-470-335-230	Sequence 230, App
175	2.3	7	613	3	US-08-467-602-329	Sequence 329, App
176	2.3	7	624	4	US-08-467-602-326	Sequence 326, App
177	2.3	7	629	3	US-08-278-635B-6	Sequence 6, Appli
178	2.3	7	629	3	US-08-464-258A-6	Sequence 6, Appli
179	2.3	7	629	3	US-08-471-961-6	Sequence 6, Appli
180	2.3	7	633	4	US-09-345-109C-6	Sequence 335, App
181	2.3	7	635	3	US-08-467-602-335	Sequence 247, App
182	2.3	7	635	4	US-08-470-335-247	Sequence 302, App
183	2.3	7	636	3	US-08-467-602-302	Sequence 365, App
184	2.3	7	636	4	US-08-467-602-365	Sequence 7, Appli
185	2.3	7	638	3	US-07-757-342D-7	Sequence 240, App
186	2.3	7	638	4	US-09-461-657B-7	Sequence 297, App
187	2.3	7	638	3	US-08-470-335-240	Sequence 360, App
188	2.3	7	644	4	US-08-467-602-297	Sequence 250, App
189	2.3	7	644	3	US-08-467-602-360	Sequence 311, App
190	2.3	7	644	4	US-08-470-335-250	Sequence 374, App
191	2.3	7	647	3	US-08-467-602-311	Sequence 243, App
192	2.3	7	647	4	US-08-467-602-374	Sequence 308, App
193	2.3	7	647	4	US-08-470-335-243	Sequence 371, App
194	2.3	7	658	4	US-08-467-602-308	Sequence 305, App
195	2.3	7	658	4	US-08-467-602-371	Sequence 368, App
196	2.3	7	658	4	US-08-467-602-305	Sequence 20495, A
197	2.3	7	667	4	US-08-467-602-368	Sequence 314, App
198	2.3	7	669	4	US-09-252-991A-20495	Sequence 377, App
199	2.3	7	672	4	US-08-467-602-314	Sequence 344, App
200	2.3	7	673	3	US-08-467-602-377	Sequence 339, App
201	2.3	7	678	4	US-08-467-602-344	Sequence 2, Appli
202	2.3	7	681	3	US-08-467-602-339	Sequence 353, App
203	2.3	7	689	4	US-09-063-950-2	Sequence 350, App
204	2.3	7	692	4	US-08-467-602-353	Sequence 31790, A
205	2.3	7	694	1	US-08-467-602-350	Sequence 347, App
206	2.3	7	699	2	US-09-252-991A-31790	Sequence 2279, A
207	2.3	7	699	3	US-08-467-602-347	Sequence 7, Appli
208	2.3	7	699	4	US-09-252-991A-22279	Sequence 7, Appli
209	2.3	7	699	4	US-08-348-006B7	Sequence 2, Appli
210	2.3	7	701	2	US-08-800-825A-7	Sequence 2, Appli
211	2.3	7	702	4	US-09-158-657-7	Sequence 356, App
212	2.3	7	702	3	US-07-757-342D-2	Sequence 102, App
213	2.3	7	702	4	US-09-461-657B-2	Sequence 102, App
214	2.3	7	711	2	US-08-467-602-356	Sequence 102, App
215	2.3	7	711	1	US-09-232-200-102	Sequence 2, Appli
216	2.3	7	711	1	US-09-232-197-102	Sequence 8, Appli
217	2.3	7	711	2	US-09-232-201-102	Sequence 1, Appli
218	2.3	7	711	2	US-09-232-195-102	Sequence 2, Appli
219	2.3	7	716	2	US-08-184-012C-8	Sequence 20, Appl
220	2.3	7	716	3	US-08-334-177-2	Sequence 1, Appli
221	2.3	7	818	4	US-08-666-082B-1	Sequence 1, Appli
222	2.3	7	821	3	US-08-766-982-2	Sequence 234, App
223	2.3	7	821	4	US-09-296-219-2	Sequence 321, App
224	2.3	7	827	3	US-09-600-991-20	Sequence 228, App
225	2.3	7	827	5	PCT-US95-13830-2	Sequence 319, App
226	2.3	7	830	2	US-09-766-982-1	Sequence 237, App
227	2.3	7	830	1	US-09-296-219-1	Sequence 333, App
228	2.3	7	835	3	US-08-470-335-234	Sequence 231, App
229	2.3	7	841	4	US-08-467-602-321	Sequence 330, App
230	2.3	7	842	4	US-08-470-335-228	Sequence 155, App
231	2.3	7	850	4	US-08-467-602-319	Sequence 243, App
232	2.3	7	852	3	US-08-470-335-237	Sequence 327, App
233	2.3	7	852	4	US-08-467-602-333	Sequence 259, App
234	2.3	7	852	4	US-08-470-335-231	Sequence 263, App
235	2.3	7	855	3	US-08-467-602-330	Sequence 336, App
236	2.3	7	855	3	US-09-758-282B-155	Sequence 248, App
237	2.3	7			US-09-758-282B-243	Sequence 300, App
238	2.3	7			US-08-467-602-327	Sequence 363, App
239	2.3	7			US-09-758-282B-259	Sequence 3, Appli
240	2.3	7			US-09-758-282B-263	Sequence 241, App
241	2.3	7			US-08-467-602-236	
242	2.3	7			US-08-470-335-248	
243	2.3	7			US-08-467-602-300	
244	2.3	7			US-08-467-602-363	
245	2.3	7			US-08-938-365-3	
246	2.3	7			US-08-470-335-241	

#	Type	Ver	Flag	Count	Patent	Sequence
247	7	2.3	4	855	US-08-467-602-298	Sequence 298, App
248	7	2.3	4	855	US-08-467-602-361	Sequence 361, App
249	7	2.3	3	861	US-08-470-335-251	Sequence 251, App
250	7	2.3	4	861	US-08-467-602-312	Sequence 312, App
251	7	2.3	4	861	US-08-467-602-375	Sequence 375, App
252	7	2.3	4	864	US-08-470-335-244	Sequence 244, App
253	7	2.3	4	864	US-08-467-602-309	Sequence 309, App
254	7	2.3	3	864	US-08-467-602-372	Sequence 372, App
255	7	2.3	4	865	US-08-470-335-235	Sequence 235, App
256	7	2.3	2	865	US-08-467-602-322	Sequence 322, App
257	7	2.3	4	867	US-08-938-365-2	Sequence 2, Appli
258	7	2.3	3	868	US-08-470-335-229	Sequence 229, App
259	7	2.3	4	868	US-08-467-602-317	Sequence 317, App
260	7	2.3	3	874	US-08-470-335-238	Sequence 238, App
261	7	2.3	4	874	US-08-467-602-334	Sequence 334, App
262	7	2.3	4	875	US-08-467-602-306	Sequence 306, App
263	7	2.3	3	875	US-08-467-602-369	Sequence 369, App
264	7	2.3	4	877	US-08-470-335-232	Sequence 232, App
265	7	2.3	4	877	US-08-467-602-331	Sequence 331, App
266	7	2.3	4	884	US-08-467-602-315	Sequence 315, App
267	7	2.3	4	884	US-08-467-602-378	Sequence 378, App
268	7	2.3	4	886	US-08-467-602-342	Sequence 342, App
269	7	2.3	4	888	US-08-467-602-325	Sequence 325, App
270	7	2.3	4	889	US-08-467-602-340	Sequence 340, App
271	7	2.3	4	895	US-08-467-602-354	Sequence 354, App
272	7	2.3	4	897	US-08-467-602-337	Sequence 337, App
273	7	2.3	4	898	US-08-467-602-351	Sequence 351, App
274	7	2.3	3	899	US-08-470-335-249	Sequence 249, App
275	7	2.3	4	899	US-08-467-602-301	Sequence 301, App
276	7	2.3	4	899	US-08-467-602-364	Sequence 364, App
277	7	2.3	3	902	US-08-470-335-242	Sequence 242, App
278	7	2.3	4	902	US-08-467-602-296	Sequence 296, App
279	7	2.3	4	902	US-08-467-602-359	Sequence 359, App
280	7	2.3	4	902	US-09-252-991A-19897	Sequence 19897, A
281	7	2.3	3	908	US-08-470-335-252	Sequence 252, App
282	7	2.3	4	908	US-08-467-602-313	Sequence 313, App
283	7	2.3	4	908	US-08-467-602-376	Sequence 376, App
284	7	2.3	4	909	US-08-467-602-348	Sequence 348, App
285	7	2.3	3	911	US-08-470-335-245	Sequence 245, App
286	7	2.3	3	911	US-08-460-269C-4	Sequence 4, Appli
287	7	2.3	4	911	US-08-467-602-310	Sequence 310, App
288	7	2.3	4	911	US-08-467-602-373	Sequence 373, App
289	7	2.3	4	918	US-08-467-602-357	Sequence 357, App
290	7	2.3	3	922	US-08-460-269C-6	Sequence 6, Appli
291	7	2.3	4	922	US-08-467-602-304	Sequence 304, App
292	7	2.3	4	922	US-08-467-602-367	Sequence 367, App
293	7	2.3	4	931	US-08-467-602-379	Sequence 379, App
294	7	2.3	4	931	US-08-467-602-343	Sequence 343, App
295	7	2.3	4	933	US-08-467-602-338	Sequence 338, App
296	7	2.3	2	936	US-08-469-537A-105	Sequence 105, App
297	7	2.3	4	937	US-08-467-602-355	Sequence 355, App
298	7	2.3	4	942	US-08-467-602-352	Sequence 352, App
299	7	2.3	4	945	US-08-467-602-346	Sequence 346, App
300	7	2.3	4	956	US-08-467-602-358	Sequence 358, App
301	7	2.3	2	965	US-08-548-159-1	Sequence 1, Appli
302	7	2.3	3	969	US-08-548-159-3	Sequence 3, Appli
303	7	2.3	2	986	US-09-060-410-4	Sequence 4, Appli
304	7	2.3	4	993	US-09-723-458-4	Sequence 4, Appli
305	7	2.3	1	993	US-08-252-626A-2	Sequence 2, Appli
306	7	2.3	4	999	US-08-884-569A-2	Sequence 2, Appli
307	7	2.3	4	1001	US-08-811-481-16	Sequence 16, Appl
308	7	2.3	4	1012	US-09-876-527-16	Sequence 16, Appl
309	7	2.3	4	1012	US-09-252-991A-19919	Sequence 19919, A
310	7	2.3	3	1049	US-09-328-352-5493	Sequence 5493, Ap
311	7	2.3	3	1083	US-08-989-299-7	Sequence 7, Appli
312	7	2.3	3	1306	US-09-407-427-7	Sequence 7, Appli
313	7	2.3	3	1306	US-08-854-585-2	Sequence 2, Appli
314	7	2.3	3	1337	US-09-447-533-2	Sequence 2, Appli
315	7	2.3	5	1337	PCT-US95-05512-2	Sequence 2, Appli
316	7	2.3	4	1337	US-09-858-664A-2	Sequence 2, Appli
317	7	2.3	4	1665	US-10-274-978-2	Sequence 2, Appli
318	7	2.3	3	1665	US-08-665-259-25	Sequence 25, Appl
319	7	2.3		1684		
320	7	2.3	3	1684	US-08-762-500-25	Sequence 25, Appl
321	7	2.3	3	1704	US-08-762-500-75	Sequence 75, Appl
322	7	2.3	3	2321	US-08-230-652-2	Sequence 2, Appli
323	7	2.3	1	2703	US-08-185-432-19	Sequence 19, Appl
324	7	2.3	4	2703	US-08-899-232-4	Sequence 4, Appli
325	6	2.0	3	10	US-09-133-06D-4	Sequence 4, Appli
326	6	2.0	4	13	US-08-287-849-31	Sequence 31, Appl
327	6	2.0	3	14	US-09-413-452-7	Sequence 7, Appli
328	6	2.0	3	14	US-09-413-06-7	Sequence 7, Appli
329	6	2.0	3	15	US-09-413-452-11	Sequence 11, Appl
330	6	2.0	1	15	US-09-413-068-11	Sequence 11, Appl
331	6	2.0	5	19	US-08-457-274A-3	Sequence 3, Appli
332	6	2.0	5	19	PCT-US95-05758-3	Sequence 3, Appli
333	6	2.0	1	23	US-08-652-450A-15	Sequence 15, Appl
334	6	2.0	1	26	US-07-942-245-452	Sequence 452, App
335	6	2.0	2	26	US-08-902-516-5	Sequence 5, Appli
336	6	2.0	4	26	US-08-847-185-5	Sequence 5, Appli
337	6	2.0	4	29	US-09-205-258-1187	Sequence 1187, Ap
338	6	2.0	4	29	US-09-117-415B-24	Sequence 24, Appl
339	6	2.0	4	29	US-10-153-064-72	Sequence 72, Appl
340	6	2.0	5	30	PCT-US94-04361-31	Sequence 31, Appl
341	6	2.0	1	32	US-08-085-122-8	Sequence 8, Appli
342	6	2.0	3	32	US-08-319-052-18	Sequence 18, Appl
343	6	2.0	3	32	US-08-442-108B-18	Sequence 18, Appl
344	6	2.0	5	32	PCT-US95-15696-3	Sequence 3, Appli
345	6	2.0	3	33	US-08-895-263-21	Sequence 21, Appl
346	6	2.0	4	33	US-09-594-185-21	Sequence 21, Appl
347	6	2.0	4	36	US-08-441-534A-9	Sequence 9, Appli
348	6	2.0	1	36	US-08-629-752-9	Sequence 9, Appli
349	6	2.0	2	36	US-08-802-991-9	Sequence 9, Appli
350	6	2.0	1	38	US-08-176-500-22	Sequence 22, Appl
351	6	2.0	1	38	US-08-471-052A-22	Sequence 22, Appl
352	6	2.0	1	38	US-08-189-311-22	Sequence 22, Appl
353	6	2.0	2	38	US-08-471-939-22	Sequence 22, Appl
354	6	2.0	2	38	US-08-471-800-22	Sequence 22, Appl
355	6	2.0	4	41	US-08-471-068-22	Sequence 22, Appl
356	6	2.0	4	47	US-09-227-357-225	Sequence 225, App
357	6	2.0	4	47	US-08-142-551B-127	Sequence 127, App
358	6	2.0	4	47	US-08-977-378-13	Sequence 13, Appl
359	6	2.0	2	48	US-09-149-476-435	Sequence 435, App
360	6	2.0	3	48	US-08-370-156-9	Sequence 9, Appli
361	6	2.0	4	48	US-08-990-065-22	Sequence 22, Appl
362	6	2.0	4	48	US-08-975-084-4	Sequence 4, Appli
363	6	2.0	3	50	US-09-453-322B-14	Sequence 14, Appl
364	6	2.0	4	50	US-09-380-532-12	Sequence 12, Appl
365	6	2.0	3	52	US-08-766-858A-30	Sequence 30, Appl
366	6	2.0	4	52	US-08-861-572-1	Sequence 1, Appli
367	6	2.0	4	55	US-09-482-273-139	Sequence 139, App
368	6	2.0	4	55	US-09-621-976-5902	Sequence 5902, Ap
369	6	2.0	4	55	US-09-621-976-6184	Sequence 6184, Ap
370	6	2.0	4	63	US-09-621-976-6467	Sequence 6467, Ap
371	6	2.0	4	63	US-09-621-976-5954	Sequence 5954, Ap
372	6	2.0	4	70	US-09-621-976-5960	Sequence 5960, Ap
373	6	2.0	4	72	US-09-205-258-432	Sequence 432, App
374	6	2.0	4	72	US-08-469-260A-233	Sequence 233, App
375	6	2.0	4	73	US-08-488-446-233	Sequence 233, App
376	6	2.0	4	73	US-08-467-344A-233	Sequence 233, App
377	6	2.0	4	78	US-09-205-258-1083	Sequence 1083, Ap
378	6	2.0	4	78	US-09-130-339-4	Sequence 4, Appli
379	6	2.0	4	80	US-09-621-976-3884	Sequence 3884, Ap
380	6	2.0	4	81	US-09-489-039A-11364	Sequence 11364, A
381	6	2.0	2	81	US-08-812-003-2	Sequence 2, Appli
382	6	2.0	3	87	US-09-148-545-159	Sequence 159, App
383	6	2.0	3	87	US-08-554-840-16	Sequence 16, Appl
384	6	2.0	3	87	US-08-554-840-19	Sequence 19, Appl
385	6	2.0	4	87	US-08-554-840-20	Sequence 20, Appl
386	6	2.0	4	87	US-08-925-339-16	Sequence 16, Appl
387	6	2.0	4	87	US-08-925-339-19	Sequence 19, Appl
388	6	2.0	4	87	US-09-33-595-20	Sequence 20, Appl
389	6	2.0	4	87	US-09-332-595-19	Sequence 19, Appl
390	6	2.0	4	87	US-09-332-595-20	Sequence 20, Appl
391	6	2.0	1	87	US-08-091-569-21	Sequence 21, Appl
392	6	2.0	2	88	US-08-091-569-21	Sequence 21, Appl

No.	Ver		Ref	Patent Number	Application
393	2.0	6	88 1	US-08-203-676-21	Sequence 21, Appl
394	2.0	6	88 2	US-08-822-238-21	Sequence 21, Appl
395	2.0	6	88 3	US-09-263-933-23	Sequence 23, Appl
396	2.0	6	88 2	US-09-919-901-23	Sequence 23, Appl
397	2.0	6	90 2	US-08-141-843B-28	Sequence 28, Appl
398	2.0	6	90 2	US-08-427-497E-33	Sequence 33, Appl
399	2.0	6	94 4	US-07-728-215-35	Sequence 35, Appl
400	2.0	6	94 4	US-08-938-085A-35	Sequence 35, Appl
401	2.0	6	94 4	US-10-072-844-35	Sequence 35, Appl
402	2.0	6	94 4	US-10-072-838-35	Sequence 35, Appl
403	2.0	6	94 4	US-10-072-841A-35	Sequence 35, Appl
404	2.0	6	95 2	US-08-461-990B-25	Sequence 25, Appl
405	2.0	6	95 2	US-08-461-990B-26	Sequence 26, Appl
406	2.0	6	96 4	US-09-328-352-5026	Sequence 5026, Appl
407	2.0	6	100 4	US-09-621-976-3911	Sequence 3911, Ap
408	2.0	6	101 4	US-09-543-681A-8036	Sequence 8036, Ap
409	2.0	6	104 4	US-09-489-039A-12991	Sequence 12991, A
410	2.0	6	106 4	US-08-652-558-48	Sequence 48, Appl
411	2.0	6	106 4	US-09-489-039A-11258	Sequence 11258, A
412	2.0	6	106 4	US-09-621-976-5411	Sequence 5411, Ap
413	2.0	6	108 4	US-09-712-529-2	Sequence 2, Appli
414	2.0	6	110 4	US-09-252-991A-17318	Sequence 17318, A
415	2.0	6	113 4	US-08-816-772-2	Sequence 2, Appli
416	2.0	6	113 4	US-08-816-772-9	Sequence 9, Appli
417	2.0	6	114 1	US-08-352-324A-3	Sequence 3, Appli
418	2.0	6	114 2	US-08-862-607-3	Sequence 4, Appli
419	2.0	6	114 2	US-08-468-819-4	Sequence 3, Appli
420	2.0	6	114 3	US-09-203-235-3	Sequence 3, Appli
421	2.0	6	114 4	US-08-679-493A-149	Sequence 149, App
422	2.0	6	114 4	US-09-213-383-4	Sequence 4, Appli
423	2.0	6	114 4	US-08-747-562-32	Sequence 32, Appl
424	2.0	6	114 5	PCT-US95-16144-3	Sequence 3, Appli
425	2.0	6	115 4	US-09-266-965-3	Sequence 3, Appli
426	2.0	6	116 1	US-08-209-747-18	Sequence 18, Appl
427	2.0	6	116 1	US-08-458-298-18	Sequence 18, Appl
428	2.0	6	116 3	US-08-545-809A-92	Sequence 92, Appl
429	2.0	6	116 3	US-08-545-809A-116	Sequence 116, App
430	2.0	6	116 3	US-08-545-809A-140	Sequence 140, App
431	2.0	6	117 4	US-09-134-001C-4223	Sequence 4223, Ap
432	2.0	6	118 3	US-09-149-476-642	Sequence 642, App
433	2.0	6	118 3	US-08-545-809A-116	Sequence 116, App
434	2.0	6	118 3	US-08-545-809A-123	Sequence 123, App
435	2.0	6	118 4	US-08-545-809A-142	Sequence 142, App
436	2.0	6	119 1	US-09-025-769B-25	Sequence 25, Appl
437	2.0	6	119 2	US-08-360-125-5	Sequence 5, Appli
438	2.0	6	119 2	US-08-450-578-5	Sequence 5, Appli
439	2.0	6	119 2	US-09-017-628-5	Sequence 5, Appli
440	2.0	6	119 4	US-09-014-880-5	Sequence 5, Appli
441	2.0	6	119 4	US-09-025-769B-39	Sequence 39, Appl
442	2.0	6	122 1	US-09-025-769B-65	Sequence 65, Appl
443	2.0	6	122 2	US-08-450-363-5	Sequence 5, Appli
444	2.0	6	122 2	US-08-360-125-11	Sequence 11, Appl
445	2.0	6	122 4	US-08-450-578-11	Sequence 11, Appl
446	2.0	6	123 4	US-09-017-628-11	Sequence 11, Appl
447	2.0	6	123 3	US-08-450-363-11	Sequence 11, Appl
448	2.0	6	123 3	US-08-675-508-2	Sequence 2, Appli
449	2.0	6	123 3	US-09-017-628-2	Sequence 2, Appli
450	2.0	6	123 3	US-09-203-939-6	Sequence 6, Appli
451	2.0	6	123 3	US-09-251-835-2	Sequence 2, Appli
452	2.0	6	123 3	US-09-251-835-6	Sequence 6, Appli
453	2.0	6	123 4	US-09-318-503-2	Sequence 2, Appli
454	2.0	6	123 4	US-09-318-503-6	Sequence 6, Appli
455	2.0	6	124 4	US-09-038-261A-2	Sequence 2, Appli
456	2.0	6	125 4	US-09-564-329A-2	Sequence 6, Appli
457	2.0	6	128 4	US-09-038-261A-6	Sequence 6, Appli
458	2.0	6	131 3	US-09-564-329A-6	Sequence 6, Appli
459	2.0	6		US-09-252-991A-31041	Sequence 31041, A
460	2.0	6		US-09-252-991A-31886	Sequence 31886, A
461	2.0	6		US-09-252-991A-17879	Sequence 17879, A
462	2.0	6		US-09-489-039A-9377	Sequence 9377, Ap
463	2.0	6		US-09-489-039A-14207	Sequence 14207, A
464	2.0	6		US-09-621-976-5014	Sequence 5014, Ap
465	2.0	6		US-09-444-818-50	Sequence 50, Appl

No.	Ref	Patent Number	Application	Ver	
466	132 4	US-09-252-991A-18677	Sequence 18677, A	2.0	6
467	137 4	US-09-621-976-5076	Sequence 5076, Ap	2.0	6
468	137 4	US-09-252-991A-29998	Sequence 29998, A	2.0	6
469	137 4	US-09-489-039A-13086	Sequence 13086, A	2.0	6
470	139 4	US-09-634-238-355	Sequence 355, App	2.0	6
471	139 4	US-09-252-991A-31166	Sequence 31166, A	2.0	6
472	140 4	US-09-252-991A-22118	Sequence 22118, A	2.0	6
473	140 4	US-09-252-991A-25737	Sequence 25737, A	2.0	6
474	142 2	US-08-480-774-A-2	Sequence 2, Appli	2.0	6
475	145 4	US-09-252-991A-32495	Sequence 32495, A	2.0	6
476	147 4	US-09-328-352-7654	Sequence 7654, Ap	2.0	6
477	147 4	US-09-489-039A-13676	Sequence 13676, A	2.0	6
478	149 4	US-09-252-991A-22850	Sequence 22850, A	2.0	6
479	150 2	US-08-867-676-3	Sequence 3, Appli	2.0	6
480	150 2	US-08-387-942C-44	Sequence 44, Appl	2.0	6
481	150 2	US-08-387-942C-52	Sequence 52, Appl	2.0	6
482	150 2	US-09-582-337-14	Sequence 14, Appl	2.0	6
483	151 4	US-09-489-039A-13318	Sequence 13318, A	2.0	6
484	152 4	US-08-831-399-4	Sequence 4, Appli	2.0	6
485	152 4	US-09-366-862-4	Sequence 4, Appli	2.0	6
486	152 4	US-09-368-772-4	Sequence 4, Appli	2.0	6
487	152 4	US-09-673-395A-408	Sequence 408, App	2.0	6
488	152 4	US-09-621-976-7670	Sequence 7670, Ap	2.0	6
489	153 4	US-08-652-558-41	Sequence 41, Appl	2.0	6
490	153 4	US-09-252-991A-18887	Sequence 18887, A	2.0	6
491	157 4	US-09-148-545-178	Sequence 178, App	2.0	6
492	157 2	US-09-668-262A-2	Sequence 2, Appli	2.0	6
493	158 4	US-09-134-000C-5250	Sequence 5250, Ap	2.0	6
494	160 2	US-08-665-647-13	Sequence 13, Appl	2.0	6
495	160 4	US-09-198-452A-1244	Sequence 1244, Ap	2.0	6
496	163 4	US-09-199-637A-431	Sequence 431, App	2.0	6
497	164 2	US-08-867-676-1	Sequence 1, Appli	2.0	6
498	164 4	US-09-252-991A-20288	Sequence 20288, A	2.0	6
499	165 4	US-09-252-991A-25994	Sequence 25994, A	2.0	6
500	169 4	US-09-489-039A-9800	Sequence 9800, Ap	2.0	6
501	171 4	US-09-489-039A-8371	Sequence 8371, Ap	2.0	6
502	172 2	US-09-252-991A-25644	Sequence 25644, A	2.0	6
503	172 4	US-09-472-087-7	Sequence 7, Appli	2.0	6
504	174 4	US-09-472-087-86	Sequence 86, Appl	2.0	6
505	174 4	US-09-252-991A-17885	Sequence 17885, A	2.0	6
506	175 4	US-09-252-991A-25719	Sequence 25719, A	2.0	6
507	177 2	US-09-621-976-5160	Sequence 5160, Ap	2.0	6
508	177 4	US-08-466-794-17	Sequence 17, Appl	2.0	6
509	177 4	US-09-049-813-17	Sequence 17, Appl	2.0	6
510	177 3	US-09-252-991A-31297	Sequence 31297, A	2.0	6
511	177 4	US-09-227-853A-13	Sequence 13, Appl	2.0	6
512	178 2	US-08-465-794-18	Sequence 18, Appl	2.0	6
513	178 4	US-09-049-813-18	Sequence 18, Appl	2.0	6
514	178 3	US-08-663-191A-4	Sequence 4, Appli	2.0	6
515	178 4	US-09-315-689-5	Sequence 5, Appli	2.0	6
516	181 4	US-09-252-991A-20950	Sequence 20950, A	2.0	6
517	181 4	US-09-134-000C-4936	Sequence 4936, Ap	2.0	6
518	182 4	US-09-561-500-14	Sequence 14, Appl	2.0	6
519	182 4	US-09-561-108-14	Sequence 14, Appl	2.0	6
520	182 4	US-09-315-689-3	Sequence 3, Appli	2.0	6
521	182 4	US-09-561-526-14	Sequence 14, Appl	2.0	6
522	182 4	US-09-561-499-14	Sequence 14, Appl	2.0	6
523	183 4	US-09-998-831-14	Sequence 14, Appl	2.0	6
524	183 4	US-09-206-059-2	Sequence 2, Appli	2.0	6
525	184 4	US-09-489-039A-7684	Sequence 7684, Ap	2.0	6
526	185 4	US-09-252-991A-17955	Sequence 17955, A	2.0	6
527	185 4	US-09-252-991A-32596	Sequence 32596, A	2.0	6
528	186 4	US-09-328-352-5524	Sequence 5524, Ap	2.0	6
529	188 4	US-09-134-000C-3620	Sequence 3620, Ap	2.0	6
530	188 4	US-09-252-991A-27151	Sequence 27151, A	2.0	6
531	189 4	US-09-724-864-48	Sequence 48, Appl	2.0	6
532	189 4	US-09-252-991A-23290	Sequence 23290, A	2.0	6
533	191 4	US-09-252-991A-26990	Sequence 26990, A	2.0	6
534	191 4	US-09-252-991A-30775	Sequence 30775, A	2.0	6
535	191 4	US-09-252-991A-28927	Sequence 28927, A	2.0	6
536	191 4	US-09-107-532A-5260	Sequence 5260, Ap	2.0	6
537	193 4	US-09-149-476-501	Sequence 501, App	2.0	6
538	193 4	US-09-919-172-37	Sequence 37, Appl	2.0	6

No.			Count	Patent	Sequence
539	2.0	6	4	US-09-252-991A-26430	Sequence 26430, A
540	2.0	6	4	US-09-252-991A-21422	Sequence 21422, A
541	2.0	6	1	US-08-240-124-4	Sequence 4, Appli
542	2.0	6	1	US-09-057-121-4	Sequence 4, Appli
543	2.0	6	1	US-08-453-943-4	Sequence 12, Appli
544	2.0	6	2	US-09-015-734-12	Sequence 4, Appli
545	2.0	6	3	US-09-358-734-4	Sequence 4, Appli
546	2.0	6	4	US-09-214-631-8	Sequence 8, Appli
547	2.0	6	4	US-09-515-311-12	Sequence 12, Appli
548	2.0	6	1	US-08-121-162-2	Sequence 2, Appli
549	2.0	6	1	US-08-448-736-1	Sequence 1, Appli
550	2.0	6	1	US-08-441-216-2	Sequence 2, Appli
551	2.0	6	1	US-08-452-779-1	Sequence 1, Appli
552	2.0	6	1	US-09-299-567-4	Sequence 4, Appli
553	2.0	6	1	US-08-445-065-1	Sequence 1, Appli
554	2.0	6	2	US-08-445-065-12	Sequence 12, Appli
555	2.0	6	3	US-08-959-524-1	Sequence 1, Appli
556	2.0	6	4	US-09-214-631-10	Sequence 10, Appli
557	2.0	6	4	US-09-611-452A-1	Sequence 1, Appli
558	2.0	6	4	US-09-611-452A-12	Sequence 12, Appli
559	2.0	6	4	US-09-252-991A-31167	Sequence 31167, Ap
560	2.0	6	4	US-09-621-976-7636	Sequence 7636, Ap
561	2.0	6	4	US-09-252-991A-20515	Sequence 20515, A
562	2.0	6	4	US-09-489-039A-13793	Sequence 13793, A
563	2.0	6	4	US-09-540-236-3153	Sequence 3153, Ap
564	2.0	6	4	US-09-252-991A-18843	Sequence 18843, A
565	2.0	6	4	US-09-611-452A-41	Sequence 41, Appl
566	2.0	6	2	US-08-606-143-41	Sequence 43, Appl
567	2.0	6	3	US-08-606-143-43	Sequence 8, Appli
568	2.0	6	3	US-09-109-100-8	Sequence 9, Appli
569	2.0	6	3	US-09-109-100-9	Sequence 11, Appl
570	2.0	6	3	US-09-109-100-11	Sequence 12, Appl
571	2.0	6	3	US-09-109-100-12	Sequence 13, Appl
572	2.0	6	3	US-09-109-100-13	Sequence 14, Appl
573	2.0	6	3	US-09-109-100-14	Sequence 15, Appl
574	2.0	6	3	US-09-109-100-15	Sequence 16, Appl
575	2.0	6	3	US-09-109-100-16	Sequence 17, Appl
576	2.0	6	3	US-09-109-100-17	Sequence 18, Appl
577	2.0	6	3	US-09-109-100-18	Sequence 10, Appl
578	2.0	6	4	US-09-252-991A-17038	Sequence 17038, A
579	2.0	6	3	US-09-109-100-10	Sequence 10, Appl
580	2.0	6	4	US-09-134-000C-3731	Sequence 3731, Ap
581	2.0	6	4	US-09-252-991A-25866	Sequence 25866, A
582	2.0	6	4	US-09-673-395A-613	Sequence 613, App
583	2.0	6	4	US-09-328-352-6222	Sequence 6222, Ap
584	2.0	6	4	US-09-489-039A-8572	Sequence 8572, Ap
585	2.0	6	4	US-09-266-764-2	Sequence 2, Appli
586	2.0	6	4	US-09-489-847-238	Sequence 238, Appl
587	2.0	6	4	US-09-489-847-353	Sequence 353, App
588	2.0	6	4	US-09-252-991A-31037	Sequence 31037, A
589	2.0	6	4	US-09-489-039A-9780	Sequence 9780, Ap
590	2.0	6	4	US-09-252-991A-17294	Sequence 17294, A
591	2.0	6	3	US-09-673-395A-514	Sequence 514, App
592	2.0	6	4	US-08-448-489-19	Sequence 19, Appl
593	2.0	6	4	US-09-252-991A-24479	Sequence 24479, A
594	2.0	6	4	US-09-252-991A-30351	Sequence 30351, A
595	2.0	6	4	US-09-214-631-7	Sequence 7, Appli
596	2.0	6	4	US-09-252-991A-23155	Sequence 23155, A
597	2.0	6	1	US-08-299-567-5	Sequence 5, Appli
598	2.0	6	1	US-08-243-545-6	Sequence 6, Appli
599	2.0	6	2	US-09-993-962-6	Sequence 6, Appli
600	2.0	6	3	US-09-160-841-6	Sequence 1, Appli
601	2.0	6	3	US-09-109-100-1	Sequence 6, Appli
602	2.0	6	3	US-09-328-352-6346	Sequence 6346, Ap
603	2.0	6	3	US-08-669-692-6	Sequence 6, Appli
604	2.0	6	3	US-08-444-626-6	Sequence 6, Appli
605	2.0	6	5	PCT-US94-05365-6	Sequence 5, Appli
606	2.0	6	4	US-09-015-734-7	Sequence 7, Appli
607	2.0	6	4	US-09-252-991A-19500	Sequence 19500, A
608	2.0	6	4	US-09-252-991A-28804	Sequence 28804, A
609	2.0	6	4	US-09-515-311-7	Sequence 7, Appli
610	2.0	6	4	US-09-711-164-457	Sequence 457, App
611	2.0	6	1	US-08-240-124-2	Sequence 2, Appli
612	2.0	6	1	US-08-453-943-2	Sequence 2, Appli
613	2.0	6	2	US-09-057-121-2	Sequence 2, Appli
614	2.0	6	3	US-09-358-734-2	Sequence 2, Appli
615	2.0	6	3	US-09-643-597-174	Sequence 174, App
616	2.0	6	4	US-09-480-884A-174	Sequence 174, App
617	2.0	6	4	US-09-542-615A-174	Sequence 174, App
618	2.0	6	4	US-09-606-421B-174	Sequence 174, App
619	2.0	6	3	US-09-489-039A-10637	Sequence 10637, A
620	2.0	6	4	US-09-413-814-98	Sequence 98, Appl
621	2.0	6	4	US-10-039-785-44	Sequence 44, Appl
622	2.0	6	4	US-09-336-093-5	Sequence 5, Appli
623	2.0	6	4	US-09-557-465D-5	Sequence 5, Appli
624	2.0	6	4	US-09-513-057C-29	Sequence 29, Appl
625	2.0	6	4	US-09-252-991A-30501	Sequence 30501, A
626	2.0	6	4	US-09-252-991A-18953	Sequence 18953, A
627	2.0	6	4	US-09-252-991A-27943	Sequence 27943, A
628	2.0	6	4	US-09-252-991A-21758	Sequence 21758, A
629	2.0	6	1	US-08-208-007A-14	Sequence 14, Appl
630	2.0	6	3	US-09-015-734-2	Sequence 2, Appli
631	2.0	6	3	US-09-318-448-6	Sequence 6, Appli
632	2.0	6	4	US-08-915-095A-14	Sequence 14, Appl
633	2.0	6	4	US-08-798-096-14	Sequence 14, Appl
634	2.0	6	4	US-08-798-095A-14	Sequence 14, Appl
635	2.0	6	4	US-09-953-956-14	Sequence 14, Appl
636	2.0	6	4	US-08-553-125A-14	Sequence 14, Appl
637	2.0	6	4	US-09-515-311-2	Sequence 2, Appli
638	2.0	6	4	US-10-114-464-14	Sequence 14, Appl
639	2.0	6	4	US-09-325-932A-57	Sequence 57, Appl
640	2.0	6	4	US-09-543-681A-7794	Sequence 7794, Ap
641	2.0	6	4	US-09-489-039A-13452	Sequence 13452, A
642	2.0	6	1	US-08-744-026-3	Sequence 3, Appli
643	2.0	6	2	US-09-102-732-3	Sequence 3, Appli
644	2.0	6	4	US-09-261-767-3	Sequence 3, Appli
645	2.0	6	4	US-09-252-991A-23894	Sequence 23894, A
646	2.0	6	4	US-09-543-681A-5600	Sequence 5600, Ap
647	2.0	6	4	US-09-134-001C-3932	Sequence 3932, Ap
648	2.0	6	4	US-08-932-411A-18	Sequence 18, Appl
649	2.0	6	1	US-08-188-582-26	Sequence 26, Appl
650	2.0	6	4	US-08-646-715-26	Sequence 26, Appl
651	2.0	6	3	US-08-713-556F-42	Sequence 42, Appl
652	2.0	6	4	US-09-252-991A-21445	Sequence 21445, A
653	2.0	6	4	US-09-322-409-49	Sequence 49, Appl
654	2.0	6	4	US-09-451-527-49	Sequence 49, Appl
655	2.0	6	4	US-09-252-991A-32702	Sequence 32702, A
656	2.0	6	3	US-08-935-263-10	Sequence 10, Appl
657	2.0	6	4	US-09-594-185-10	Sequence 10, Appl
658	2.0	6	4	US-09-252-991A-22342	Sequence 22342, A
659	2.0	6	4	US-09-252-991A-27891	Sequence 27891, A
660	2.0	6	3	US-08-713-556F-38	Sequence 38, Appl
661	2.0	6	4	US-09-252-991A-19715	Sequence 19715, A
662	2.0	6	4	US-09-252-991A-24319	Sequence 24319, A
663	2.0	6	4	US-09-252-991A-28324	Sequence 28324, A
664	2.0	6	4	US-09-252-991A-18050	Sequence 18050, A
665	2.0	6	4	US-09-252-991A-21100	Sequence 21100, A
666	2.0	6	1	US-08-324-977-38	Sequence 38, Appl
667	2.0	6	2	US-08-384-616-38	Sequence 38, Appl
668	2.0	6	3	US-08-904-686A-38	Sequence 38, Appl
669	2.0	6	4	US-09-315-850-38	Sequence 38, Appl
670	2.0	6	4	US-09-252-991A-23018	Sequence 23018, A
671	2.0	6	4	US-09-252-991A-27719	Sequence 27719, A
672	2.0	6	4	US-09-543-681A-4460	Sequence 4460, Ap
673	2.0	6	4	US-09-489-039A-10727	Sequence 10727, A
674	2.0	6	4	US-09-252-991A-19967	Sequence 19967, A
675	2.0	6	4	US-09-489-039A-7596	Sequence 7596, Ap
676	2.0	6	4	US-09-134-001C-2917	Sequence 2917, Ap
677	2.0	6	4	US-09-252-991A-16854	Sequence 16854, A
678	2.0	6	4	US-09-386-653A-7	Sequence 7, Appli
679	2.0	6	4	US-09-489-039A-14080	Sequence 14080, A
680	2.0	6	2	US-08-688-342-5	Sequence 5, Appli
681	2.0	6	3	US-09-113-788-5	Sequence 5, Appli
682	2.0	6	4	US-09-111-470-5	Sequence 5, Appli
683	2.0	6	4	US-09-322-409-44	Sequence 44, Appl
684	2.0	6	4	US-09-451-527-44	Sequence 44, Appl

No.			No.	n	Application No.	Sequence
292	2.0	6	685	4	US-09-543-681A-5819	Sequence 5819, Ap
293	2.0	6	686	4	US-09-134-001C-4367	Sequence 4367, Ap
293	2.0	6	687	4	US-09-668-262A-12	Sequence 12, Appl
293	2.0	6	688	4	US-09-134-000C-6254	Sequence 6254, Ap
297	2.0	6	689	4	US-09-252-991A-32590	Sequence 32590, A
299	2.0	6	690	1	US-08-142-473A-10	Sequence 10, Appl
299	2.0	6	691	1	US-08-469-203A-10	Sequence 10, Appl
299	2.0	6	692	2	US-08-469-203A-10	Sequence 10, Appl
301	2.0	6	693	2	US-08-440-845D-24	Sequence 24, Appl
301	2.0	6	694	3	US-08-303-861-21	Sequence 21, Appl
301	2.0	6	695	3	US-09-011-073A-1	Sequence 1, Appli
301	2.0	6	696	3	US-09-230-421-2	Sequence 2, Appli
301	2.0	6	697	3	US-09-347-504-12	Sequence 12, Appl
301	2.0	6	698	4	US-08-902-572-14	Sequence 14, Appl
302	2.0	6	699	4	US-09-773-430-1	Sequence 1, Appli
302	2.0	6	700	4	US-09-252-991A-28771	Sequence 28771, A
303	2.0	6	701	4	US-10-161-499-12	Sequence 12, Appl
303	2.0	6	702	4	US-09-328-352-4508	Sequence 4508, Ap
304	2.0	6	703	4	US-09-543-681A-8270	Sequence 8270, Ap
304	2.0	6	704	4	US-09-252-991A-24382	Sequence 24382, A
305	2.0	6	705	3	5340934-13	Patent No. 5340934
306	2.0	6	706	3	US-09-088-651-2	Sequence 2, Appli
306	2.0	6	707	4	US-09-252-991A-23016	Sequence 23016, A
309	2.0	6	708	4	US-10-074-509-2	Sequence 2, Appli
310	2.0	6	709	3	US-08-584-008A-7	Sequence 7, Appli
311	2.0	6	710	2	US-09-084-669-2	Sequence 2, Appli
311	2.0	6	711	4	US-09-540-236-3478	Sequence 3478, Ap
311	2.0	6	712	4	US-09-543-681A-8289	Sequence 8289, Ap
311	2.0	6	713	2	US-08-318-837-9	Sequence 9, Appli
312	2.0	6	714	4	US-09-634-955B-5	Sequence 5, Appli
313	2.0	6	715	4	US-09-252-991A-25748	Sequence 25748, A
313	2.0	6	716	4	US-09-816-760-5	Sequence 5, Appli
315	2.0	6	717	4	US-09-838-561-5	Sequence 5, Appli
316	2.0	6	718	4	US-09-838-561-15	Sequence 15, Appl
316	2.0	6	719	4	US-09-252-991A-26614	Sequence 26614, A
316	2.0	6	720	3	US-08-713-556P-36	Sequence 36, Appl
317	2.0	6	721	4	US-09-148-545-236	Sequence 236, App
318	2.0	6	722	3	US-09-540-236-2302	Sequence 2302, Ap
318	2.0	6	723	4	US-10-104-966-5	Sequence 5, Appli
318	2.0	6	724	1	US-08-875-273A-2	Sequence 2, Appli
318	2.0	6	725	3	US-08-123-386-2	Sequence 2, Appli
319	2.0	6	726	5	PCT-US95-01827A-2	Sequence 2, Appli
319	2.0	6	727	4	US-09-252-991A-18506	Sequence 18506, A
319	2.0	6	728	4	US-09-134-000C-4483	Sequence 4483, Ap
320	2.0	6	729	4	US-09-439-313-339	Sequence 339, App
320	2.0	6	730	4	US-09-352-616A-339	Sequence 339, App
322	2.0	6	731	4	US-09-252-991A-22047	Sequence 22047, A
322	2.0	6	732	4	US-09-636-215-339	Sequence 339, App
323	2.0	6	733	4	US-09-685-166A-339	Sequence 339, App
323	2.0	6	734	4	US-09-252-991A-23566	Sequence 23566, A
325	2.0	6	735	4	US-09-252-991A-28066	Sequence 28066, A
327	2.0	6	736	4	US-09-252-991A-29136	Sequence 29136, A
327	2.0	6	737	4	US-09-328-352-4526	Sequence 4526, Ap
329	2.0	6	738	4	US-09-311-731A-89	Sequence 89, Appl
329	2.0	6	739	4	US-09-328-352-5024	Sequence 5024, Ap
329	2.0	6	740	6	5212074-1	Patent No. 5212074
330	2.0	6	741	4	US-09-679-279-18	Sequence 18, Appl
330	2.0	6	742	6	5185254-4	Patent No. 5185254
331	2.0	6	743	1	US-08-233-788A-55	Sequence 55, Appl
331	2.0	6	744	4	US-09-134-001C-3535	Sequence 3535, Ap
334	2.0	6	745	4	US-09-134-000C-29468	Sequence 29468, A
334	2.0	6	746	4	US-09-022-665-2	Sequence 2, Appli
334	2.0	6	747	3	US-09-262-749-2	Sequence 2, Appli
334	2.0	6	748	4	US-09-603-567-2	Sequence 2, Appli
	2.0	6	749	3	US-09-188-930-125	Sequence 125, App
	2.0	6	750	4	US-09-312-283C-125	Sequence 125, App
	2.0	6	751	4	US-09-252-991A-24420	Sequence 24420, A
	2.0	6	752	4	US-09-252-991A-24546	Sequence 24546, A
	2.0	6	753	2	US-08-812-025-12	Sequence 12, Appl
	2.0	6	754	2	US-08-185-828A-16	Sequence 16, Appl
	2.0	6	755	3	US-09-138-873A-12	Sequence 12, Appl
	2.0	6	756	4	US-09-252-991A-27154	Sequence 27154, A

No.			No.	n	Application No.	Sequence
335	2.0	6	758	4	US-09-921-099A-15	Sequence 15, Appl
336	2.0	6	759	3	US-09-105-537-27	Sequence 27, Appl
337	2.0	6	760	3	US-09-320-878-15	Sequence 15, Appl
337	2.0	6	761	3	US-09-105-537-14	Sequence 14, Appl
337	2.0	6	762	4	US-09-141-908-17	Sequence 17, Appl
337	2.0	6	763	4	US-09-657-440-15	Sequence 15, Appl
338	2.0	6	764	3	US-09-252-991A-19602	Sequence 19602, A
338	2.0	6	765	4	US-09-330-611-6	Sequence 6, Appli
338	2.0	6	766	4	US-09-252-991A-26745	Sequence 26745, A
339	2.0	6	767	3	US-09-489-039A-7801	Sequence 7801, Ap
339	2.0	6	768	4	US-09-190-965-4	Sequence 4, Appli
339	2.0	6	769	4	US-09-470-253-4	Sequence 4, Appli
344	2.0	6	770	4	US-09-198-452A-857	Sequence 857, App
344	2.0	6	771	4	US-09-107-532A-5049	Sequence 5049, Ap
344	2.0	6	772	4	US-09-489-039A-8349	Sequence 8349, Ap
345	2.0	6	773	4	US-09-134-000C-4671	Sequence 4671, Ap
345	2.0	6	774	4	US-09-252-991A-28113	Sequence 28113, A
345	2.0	6	775	4	US-09-252-991A-32088	Sequence 32088, A
347	2.0	6	776	4	US-09-107-532A-4426	Sequence 4426, Ap
349	2.0	6	777	4	US-09-252-991A-16867	Sequence 16867, A
349	2.0	6	778	4	US-09-134-001C-4519	Sequence 4519, Ap
351	2.0	6	779	4	US-09-491-577-96	Sequence 96, Appl
351	2.0	6	780	3	US-08-466-465-6	Sequence 6, Appli
353	2.0	6	781	4	US-09-266-965-133	Sequence 133, App
355	2.0	6	782	3	US-09-252-991A-32638	Sequence 32638, A
355	2.0	6	783	4	US-08-872-979-7	Sequence 7, Appli
356	2.0	6	784	1	US-09-252-991A-22326	Sequence 22326, A
358	2.0	6	785	2	US-09-543-681A-6885	Sequence 6885, Ap
358	2.0	6	786	2	US-08-239-431A-4	Sequence 4, Appli
358	2.0	6	787	2	US-08-463-081B-6	Sequence 6, Appli
358	2.0	6	788	2	US-08-461-379A-6	Sequence 6, Appli
358	2.0	6	789	3	US-08-462-390B-6	Sequence 6, Appli
358	2.0	6	790	3	US-08-823-986A-2	Sequence 2, Appli
358	2.0	6	791	3	US-08-784-385-2	Sequence 2, Appli
358	2.0	6	792	3	US-08-463-074B-6	Sequence 6, Appli
358	2.0	6	793	3	US-08-465-585C-6	Sequence 6, Appli
359	2.0	6	794	5	US-08-652-446-6	Sequence 6, Appli
360	2.0	6	795	4	US-08-267-423-4	Sequence 4, Appli
360	2.0	6	796	4	PCT-US95-10403-2	Sequence 2, Appli
361	2.0	6	797	1	US-09-328-352-4311	Sequence 4311, Ap
361	2.0	6	798	4	US-09-252-991A-17958	Sequence 17958, A
362	2.0	6	799	3	US-09-501-115-34	Sequence 34, Appl
362	2.0	6	800	4	US-09-700-397-14	Sequence 14, Appl
363	2.0	6	801	4	US-08-415-751-7	Sequence 7, Appli
364	2.0	6	802	4	US-09-489-039A-9114	Sequence 9114, Ap
366	2.0	6	803	3	US-09-413-452-1	Sequence 1, Appli
366	2.0	6	804	4	US-09-413-068-1	Sequence 1, Appli
368	2.0	6	805	4	US-09-403-345A-1	Sequence 1, Appli
369	2.0	6	806	4	US-09-328-352-5961	Sequence 5961, Ap
370	2.0	6	807	1	US-09-896-537A-3	Sequence 3, Appli
370	2.0	6	808	1	US-09-934-899-6	Sequence 6, Appli
370	2.0	6	809	4	US-09-252-991A-22528	Sequence 22528, A
371	2.0	6	810	4	US-09-543-681A-7724	Sequence 7724, Ap
373	2.0	6	811	4	US-09-252-991A-21362	Sequence 21362, A
374	2.0	6	812	4	US-09-252-991A-17585	Sequence 17585, A
375	2.0	6	813	3	US-07-662-007B-37	Sequence 37, Appl
375	2.0	6	814	4	US-07-824-247-37	Sequence 37, Appl
375	2.0	6	815	4	US-08-470-204A-37	Sequence 37, Appl
375	2.0	6	816	4	US-09-252-991A-25766	Sequence 25766, A
375	2.0	6	817	4	US-09-252-991A-29008	Sequence 29008, A
376	2.0	6	818	4	US-09-404-296B-4	Sequence 4, Appli
376	2.0	6	819	4	US-09-489-847-166	Sequence 166, App
378	2.0	6	820	3	US-08-872-979-3	Sequence 3, Appli
378	2.0	6	821	4	US-09-252-149B-35	Sequence 35, Appl
	2.0	6	822	4	US-09-451-501-27	Sequence 27, Appl
	2.0	6	823	4	US-09-328-352-7377	Sequence 7377, Ap
	2.0	6	824	4	US-09-626-896-18	Sequence 18, Appl
	2.0	6	825	4	US-09-903-814A-2	Sequence 2, Appli
	2.0	6	826	4	US-09-820-002-2	Sequence 2, Appli
	2.0	6	827	3	US-08-867-611-33	Sequence 33, Appl
	2.0	6	828	3	US-08-690-359-33	Sequence 33, Appl
	2.0	6	830	5	PCT-US92-06965A-3	Sequence 3, Appli

u8-10-04/-021-86.61g6.ra1

Mon Jun 28 05.06.56 2004

#						Accession	Label
831	6	2.0	379	4		US-09-252-991A-26357	Sequence 26357, A
832	6	2.0	379	4		US-09-255-991A-28086	Sequence 28086, A
833	6	2.0	380	1		US-08-073-807A-18	Sequence 18, Appl
834	6	2.0	382	1		US-07-824-247-42	Sequence 42, Appl
835	6	2.0	382	1		US-08-142-473A-2	Sequence 2, Appli
836	6	2.0	382	1		US-08-464-523B-26	Sequence 26, Appl
837	6	2.0	382	1		US-08-464-523B-30	Sequence 30, Appl
838	6	2.0	382	1		US-08-469-203A-2	Sequence 2, Appli
839	6	2.0	382	1		US-08-469-203A-2	Sequence 2, Appli
840	6	2.0	382	2		US-08-605-106-12	Sequence 12, Appl
841	6	2.0	382	2		US-08-440-845D-1	Sequence 1, Appli
842	6	2.0	382	2		US-08-440-845D-2	Sequence 2, Appli
843	6	2.0	382	3		US-08-477-204A-42	Sequence 42, Appl
844	6	2.0	382	3		US-08-868-458-1	Sequence 1, Appli
845	6	2.0	382	3		US-08-868-458-2	Sequence 2, Appli
846	6	2.0	382	4		US-09-134-001C-3765	Sequence 3765, Ap
847	6	2.0	382	4		US-09-907-794A-137	Sequence 137, App
848	6	2.0	382	4		US-09-905-125A-137	Sequence 137, App
849	6	2.0	382	4		US-09-902-775A-137	Sequence 137, App
850	6	2.0	383	4		US-09-252-991A-27087	Sequence 27087, A
851	6	2.0	385	4		US-09-599-360B-106	Sequence 106, App
852	6	2.0	385	4		US-09-252-991A-26432	Sequence 26432, A
853	6	2.0	386	4		US-09-252-991A-27060	Sequence 27060, A
854	6	2.0	386	4		US-09-489-039A-8771	Sequence 8771, App
855	6	2.0	387	4		US-09-252-991A-18114	Sequence 18114, A
856	6	2.0	389	4		US-09-800-170-18	Sequence 18, Appl
857	6	2.0	392	4		US-09-252-991A-17278	Sequence 17278, A
858	6	2.0	393	4		US-09-252-991A-23307	Sequence 23307, A
859	6	2.0	394	4		US-09-252-991A-29358	Sequence 29358, A
860	6	2.0	395	1		US-08-723-938-3	Sequence 3, Appli
861	6	2.0	395	2		US-08-080-538-3	Sequence 3, Appli
862	6	2.0	395	2		US-09-387-413-3	Sequence 3, Appli
863	6	2.0	398	1		US-08-507-431-2	Sequence 2, Appli
864	6	2.0	398	3		US-08-902-655A-2	Sequence 2, Appli
865	6	2.0	398	3		US-09-116-622-2	Sequence 2, Appli
866	6	2.0	398	3		US-09-215-277-2	Sequence 2, Appli
867	6	2.0	398	4		US-09-599-661-2	Sequence 2, Appli
868	6	2.0	398	4		US-09-778-510-4	Sequence 4, Appli
869	6	2.0	398	4		US-09-252-991A-19488	Sequence 19488, A
870	6	2.0	399	4		US-09-489-039A-8220	Sequence 8220, Ap
871	6	2.0	400	4		US-09-252-991A-24981	Sequence 24981, A
872	6	2.0	401	4		US-09-489-039A-8992	Sequence 8992, Ap
873	6	2.0	402	2		US-08-477-254A-2	Sequence 2, Appli
874	6	2.0	402	2		US-08-472-576B-2	Sequence 2, Appli
875	6	2.0	402	2		US-08-428-734B-2	Sequence 2, Appli
876	6	2.0	402	3		US-09-063-237-1	Sequence 1, Appli
877	6	2.0	402	3		US-08-713-556F-2	Sequence 2, Appli
878	6	2.0	403	4		US-09-252-991A-23256	Sequence 23256, A
879	6	2.0	405	4		US-09-312-283C-374	Sequence 374, App
880	6	2.0	406	4		US-09-252-991A-25910	Sequence 25910, A
881	6	2.0	407	4		US-09-252-991A-20679	Sequence 20679, A
882	6	2.0	407	4		US-09-543-681A-6945	Sequence 6945, Ap
883	6	2.0	411	4		US-09-252-991A-31301	Sequence 31301, A
884	6	2.0	412	2		US-08-477-254A-4	Sequence 4, Appli
885	6	2.0	412	2		US-08-472-576B-4	Sequence 4, Appli
886	6	2.0	412	2		US-08-428-734B-4	Sequence 4, Appli
887	6	2.0	412	3		US-08-713-556F-4	Sequence 4, Appli
888	6	2.0	413	4		US-09-266-965-139	Sequence 139, App
889	6	2.0	415	4		US-09-107-532A-6504	Sequence 6504, Ap
890	6	2.0	416	1		US-08-073-807A-2	Sequence 2, Appli
891	6	2.0	416	4		US-08-311-784A-26	Sequence 26, Appl
892	6	2.0	417	4		US-09-820-002-4	Sequence 4, Appli
893	6	2.0	419	3		US-08-974-691-3	Sequence 3, Appli
894	6	2.0	419	3		US-09-705-448-10	Sequence 10, Appl
895	6	2.0	419	4		US-09-489-039A-8844	Sequence 8844, Ap
896	6	2.0	420	3		US-08-008-271A-4	Sequence 4, Appli
897	6	2.0	420	4		US-08-974-691-8	Sequence 8, Appli
898	6	2.0	420	4		US-09-705-448-1	Sequence 1, Appli
899	6	2.0	420	4		US-09-252-991A-16912	Sequence 16912, A
900	6	2.0	422	4		US-09-252-991A-20041	Sequence 20041, A
901	6	2.0	422	4		US-09-252-991A-20583	Sequence 20583, A
902	6	2.0	422	4		US-09-252-991A-22178	Sequence 22178, A
903	6	2.0	422	4		US-09-252-991A-32607	Sequence 32607, A

#						Accession	Label
904	6	2.0	423	4		US-09-252-991A-20162	Sequence 20162, A
905	6	2.0	423	4		US-09-668-262A-14	Sequence 14, Appl
906	6	2.0	424	4		US-09-205-258-1079	Sequence 1079, Ap
907	6	2.0	424	4		US-09-252-991A-21115	Sequence 21115, A
908	6	2.0	424	6		5169835-6	Patent No. 5169835
909	6	2.0	425	4		US-09-071-224-4	Sequence 4, Appli
910	6	2.0	425	3		US-09-748-537-14	Sequence 14, Appl
911	6	2.0	426	3		US-09-063-893A-4	Sequence 4, Appli
912	6	2.0	426	3		US-08-826-246-4	Sequence 4, Appli
913	6	2.0	426	3		US-08-944-495-4	Sequence 4, Appli
914	6	2.0	426	3		US-09-126-640-8	Sequence 8, Appli
915	6	2.0	426	3		US-08-925-588-4	Sequence 4, Appli
916	6	2.0	426	3		US-09-082-092-4	Sequence 4, Appli
917	6	2.0	426	3		US-09-082-092-6	Sequence 6, Appli
918	6	2.0	426	4		US-09-288-292A-8	Sequence 8, Appli
919	6	2.0	426	4		US-09-268-311-2	Sequence 2, Appli
920	6	2.0	426	4		US-09-268-311-3	Sequence 3, Appli
921	6	2.0	426	4		US-09-372-044-4	Sequence 4, Appli
922	6	2.0	426	4		US-08-825-486-4	Sequence 4, Appli
923	6	2.0	426	4		US-09-885-722A-4	Sequence 4, Appli
924	6	2.0	426	4		US-09-885-722A-6	Sequence 6, Appli
925	6	2.0	426	4		US-09-154-219-2	Sequence 2, Appli
926	6	2.0	426	4		US-09-154-219-3	Sequence 3, Appli
927	6	2.0	429	1		US-08-333-1152A-33	Sequence 33, Appl
928	6	2.0	429	4		US-09-328-352-7341	Sequence 7341, Ap
929	6	2.0	430	1		US-08-318-947A-16	Sequence 16, Appl
930	6	2.0	430	2		US-08-795-303-16	Sequence 16, Appl
931	6	2.0	430	4		US-09-252-991A-22616	Sequence 22616, A
932	6	2.0	431	4		US-09-252-991A-31188	Sequence 31188, A
933	6	2.0	431	3		US-08-985-950-14	Sequence 14, Appl
934	6	2.0	431	3		US-08-985-950-20	Sequence 20, Appl
935	6	2.0	431	3		US-09-546-049-14	Sequence 14, Appl
936	6	2.0	431	4		US-09-546-049-20	Sequence 20, Appl
937	6	2.0	432	4		US-09-252-991A-30834	Sequence 30834, A
938	6	2.0	433	3		US-08-466-120-2	Sequence 2, Appli
939	6	2.0	433	2		US-09-268-311-18	Sequence 18, Appl
940	6	2.0	433	4		US-09-328-352-5746	Sequence 5746, Ap
941	6	2.0	433	4		US-09-328-352-6978	Sequence 6978, Ap
942	6	2.0	433	5		PCT-US94-07266-2	Sequence 2, Appli
943	6	2.0	434	4		US-09-252-991A-23742	Sequence 23742, A
944	6	2.0	437	4		US-09-252-991A-18636	Sequence 18636, A
945	6	2.0	437	4		US-09-252-991A-29044	Sequence 29044, A
946	6	2.0	437	4		US-09-543-681A-6984	Sequence 6984, Ap
947	6	2.0	438	4		US-09-480-039A-8958	Sequence 8958, Ap
948	6	2.0	438	4		US-09-252-991A-18710	Sequence 18710, A
949	6	2.0	438	3		US-09-252-991A-29390	Sequence 29390, A
950	6	2.0	439	3		US-08-998-950-12	Sequence 12, Appl
951	6	2.0	439	4		US-09-310-463-8	Sequence 8, Appli
952	6	2.0	439	4		US-08-546-049-12	Sequence 12, Appl
953	6	2.0	439	4		US-09-546-049-12	Sequence 12, Appl
954	6	2.0	439	4		US-09-252-991A-27106	Sequence 27106, A
955	6	2.0	440	1		US-08-333-358-8	Sequence 8, Appli
956	6	2.0	440	1		US-08-463-694-8	Sequence 8, Appli
957	6	2.0	440	1		US-08-694-501-8	Sequence 8, Appli
958	6	2.0	440	4		US-09-252-991A-27594	Sequence 27594, A
959	6	2.0	440	4		US-09-540-236-2067	Sequence 2067, Ap
960	6	2.0	443	4		US-09-252-991A-18517	Sequence 18517, A
961	6	2.0	443	4		US-09-252-991A-20035	Sequence 20035, A
962	6	2.0	443	1		US-09-198-452A-1086	Sequence 1086, Ap
963	6	2.0	444	4		US-09-252-991A-27928	Sequence 27928, A
964	6	2.0	445	1		US-08-440-103-23	Sequence 23, Appl
965	6	2.0	445	1		US-08-440-542-23	Sequence 23, Appl
966	6	2.0	445	1		US-08-231-368-23	Sequence 23, Appl
967	6	2.0	445	1		US-08-440-210-23	Sequence 23, Appl
968	6	2.0	445	1		US-09-046-604-23	Sequence 23, Appl
969	6	2.0	447	1		US-08-373-935-1	Sequence 1, Appli
970	6	2.0	448	4		US-09-252-991A-26077	Sequence 26077, A
971	6	2.0	449	4		US-09-310-463-38	Sequence 38, Appl
972	6	2.0	449	4		US-09-252-991A-22583	Sequence 22583, A
973	6	2.0	449	4		US-09-252-991A-28547	Sequence 28547, A
974	6	2.0	450	4		US-09-252-991A-31528	Sequence 31528, A
975	6	2.0	453	4		US-09-489-039A-8303	Sequence 8303, Ap
976	6	2.0	454	3		US-08-444-818-73	Sequence 73, Appl

977	6	2.0	US-09-904-615-165	4		Sequence 165, App
978	6	2.0	US-09-130-339-2	4		Sequence 2, Appli
979	6	2.0	US-08-416-178A-8	1		Sequence 8, Appli
980	6	2.0	US-08-474-988B-8	2		Sequence 8, Appli
981	6	2.0	US-08-394-442B-8	2		Sequence 8, Appli
982	6	2.0	US-09-252-991A-20811	4		Sequence 20811, A
983	6	2.0	US-09-252-991A-30535	4		Sequence 30535, A
984	6	2.0	US-09-252-991A-32991	4		Sequence 32991, A
985	6	2.0	US-09-097-889-22	3		Sequence 22, Appl
986	6	2.0	US-09-098-079-22	4		Sequence 22, Appl
987	6	2.0	US-09-252-991A-25839	4		Sequence 25839, A
988	6	2.0	US-09-543-681A-8195	4		Sequence 8195, Ap
989	6	2.0	US-08-752-307B-7	2		Sequence 7, Appli
990	6	2.0	US-09-707-802-7	4		Sequence 7, Appli
991	6	2.0	US-09-991-326-7	4		Sequence 7, Appli
992	6	2.0	US-08-612-973-46	4		Sequence 46, Appl
993	6	2.0	US-08-927-597-46	3		Sequence 46, Appl
994	6	2.0	US-08-752-307B-5	2		Sequence 5, Appli
995	6	2.0	US-09-707-802-5	4		Sequence 5, Appli
996	6	2.0	US-09-991-326-5	4		Sequence 5, Appli
997	6	2.0	US-09-252-991A-29633	4		Sequence 29633, A
998	6	2.0	US-09-513-442-2	4		Sequence 2, Appli
999	6	2.0	US-09-148-545-134	4		Sequence 134, App
1000	6	2.0	US-09-907-794A-195	4		Sequence 195, App

ALIGNMENTS

RESULT 1
US-09-130-158A-2
; Sequence 2, Application US/09130158A
; Patent No. 6576607
; GENERAL INFORMATION:
; APPLICANT: Schachner, Melitta
; TITLE OF INVENTION: CNS Neurite Outgrowth Modulators and
; TITLE OF INVENTION: Compositions, Cells and Method Embodying and Using Same
; FILE REFERENCE: 1094-1-001 CIP1B
; CURRENT APPLICATION NUMBER: US/09/130,158A
; CURRENT FILING DATE: 1998-08-06
; PRIOR APPLICATION NUMBER: US 08/636,514
; PRIOR FILING DATE: 1996-04-19
; PRIOR APPLICATION NUMBER: US 08/483,959
; PRIOR FILING DATE: 1995-06-07
; PRIOR APPLICATION NUMBER: US 08/424,995
; PRIOR FILING DATE: 1995-04-19
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1209
; TYPE: PRT
; ORGANISM: murine
US-09-130-158A-2

Query Match 3.3%; Score 10; DB 4; Length 1209;
Best Local Similarity 100.0%; Pred. No. 0.77;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 116 ASNRLGTAVS 125
|||||||||||
Db 111 ASNRLGTAVS 120

RESULT 2
US-09-621-976-4124
; Sequence 4124, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2

; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 4124
; LENGTH: 118
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -20..-1
; NAME/KEY: UNSURE
; LOCATION: -16
; OTHER INFORMATION: Xaa = Ala,Gly
US-09-621-976-4124

Query Match 2.6%; Score 8; DB 4; Length 118;
Best Local Similarity 100.0%; Pred. No. 6.8;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 14 SLPllLLL 21
|||||||||
Db 98 SLPllLLL 105

RESULT 3
US-09-673-395A-577
; Sequence 577, Application US/09673395A
; Patent No. 6620923
; GENERAL INFORMATION:
; APPLICANT: SPECHT, THOMAS
; APPLICANT: HINZMANN, BERND
; APPLICANT: SCHMITT, ARMIN
; APPLICANT: PILARSKY, CHRISTIAN
; APPLICANT: DAHL, EDGAR
; APPLICANT: ROSENTHAL, ANDRE
; TITLE OF INVENTION: HUMAN NUCLEIC ACID SEQUENCES FROM UTERUS TUMOR TISSUE
; FILE REFERENCE: ALBRE-12
; CURRENT APPLICATION NUMBER: US/09/673,395A
; CURRENT FILING DATE: 2000-10-17
; NUMBER OF SEQ ID NOS: 637
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 577
; LENGTH: 161
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (15)
; OTHER INFORMATION: Any, other, or unknown amino acid
; NAME/KEY: MOD_RES
; LOCATION: (20)..(21)
; OTHER INFORMATION: Any, other, or unknown amino acid
; NAME/KEY: MOD_RES
; LOCATION: (35)
; OTHER INFORMATION: Any, other, or unknown amino acid
; NAME/KEY: MOD_RES
; LOCATION: (39)
; OTHER INFORMATION: Any, other, or unknown amino acid
; NAME/KEY: MOD_RES
; LOCATION: (45)
; OTHER INFORMATION: Any, other, or unknown amino acid
; NAME/KEY: MOD_RES
; LOCATION: (80)
; OTHER INFORMATION: Any, other, or unknown amino acid
; NAME/KEY: MOD_RES
; LOCATION: (85)
; OTHER INFORMATION: Any, other, or unknown amino acid
; NAME/KEY: MOD_RES
; LOCATION: (87)
; OTHER INFORMATION: Any, other, or unknown amino acid
US-09-673-395A-577

Query Match   2.6%;   Score 8; DB 4; Length 161;
Best Local Similarity   100.0%; Pred. No. 9.1;
Matches   8; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

Qy   15 LPLILLLI 22
        |||||||
Db   2 LPLLLLLI 9

RESULT 4
US-08-837-029-2
; Sequence 2, Application US/08837029
; Patent No. 5945303
; GENERAL INFORMATION:
; APPLICANT: Wei et al.
; TITLE OF INVENTION: Human Hematopoietic - Specific Protein
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: MD
; COUNTRY: US
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/837,029
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US96/04930
; FILING DATE: 11-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Brookes, A. Anders
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PF268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 301-309-8504
; TELEFAX: 301-309-8439
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 189 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-837-029-2

RESULT 5
US-09-800-729-114
; Sequence 114, Application US/09800729
; Patent No. 6605592
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: 32 Human secreted proteins
; FILE REFERENCE: PZ044P1
; CURRENT APPLICATION NUMBER: US/09/800,729
; CURRENT FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: PCT/US00/26013
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/155,709

Query Match   2.6%;   Score 8; DB 2; Length 189;
Best Local Similarity   100.0%; Pred. No. 11;
Matches   8; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

Qy   14 SLPLLLLL 21
        ||||||||
Db   4 SLPLLLLL 11

; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 217
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 114
; LENGTH: 287
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-800-729-114

Query Match   2.6%;   Score 8; DB 4; Length 287;
Best Local Similarity   100.0%; Pred. No. 16;
Matches   8; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

Qy   14 SLPLLLLL 21
        ||||||||
Db   12 SLPLLLLL 19

RESULT 6
US-09-800-729-153
; Sequence 153, Application US/09800729
; Patent No. 6605592
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: 32 Human secreted proteins
; FILE REFERENCE: PZ044P1
; CURRENT APPLICATION NUMBER: US/09/800,729
; CURRENT FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: PCT/US00/26013
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/155,709
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 217
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 153
; LENGTH: 287
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-800-729-153

Query Match   2.6%;   Score 8; DB 4; Length 287;
Best Local Similarity   100.0%; Pred. No. 16;
Matches   8; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

Qy   14 SLPLLLLL 21
        ||||||||
Db   12 SLPLLLLL 19

RESULT 7
US-09-615-192A-284
; Sequence 284, Application US/09615192A
; Patent No. 6410718
; GENERAL INFORMATION:
; APPLICANT: Bloksberg, Leonard N.
; APPLICANT: Havukkala, Ilkka
; TITLE OF INVENTION: Materials and Methods for the
; TITLE OF INVENTION: Modification of Plant Lignin Content
; FILE REFERENCE: 11000.1003c4U
; CURRENT APPLICATION NUMBER: US/09/615,192A
; CURRENT FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 08/975,316
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: US 08/713,000
; PRIOR FILING DATE: 1996-09-11
; PRIOR APPLICATION NUMBER: US 09/169,789
; PRIOR FILING DATE: 1998-10-09
; NUMBER OF SEQ ID NOS: 405
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 284
; LENGTH: 330
; TYPE: PRT
; ORGANISM: Eucalyptus grandis

```
US-09-615-192A-284

  Query Match        2.6%;   Score 8;  DB 4;   Length 330;
  Best Local Similarity   100.0%;   Pred. No. 18;
  Matches  8;   Conservative  0;   Mismatches  0;   Indels  0;   Gaps  0;

Qy   14  SLPLLLLL  21
         ||||||||
Db   18  SLPLLLLL  25

RESULT 8
US-09-800-729-82
; Sequence 82, Application US/09800729
; Patent No. 6605592
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: 32 Human secreted proteins
; FILE REFERENCE: PZ044P1
; CURRENT APPLICATION NUMBER: US/09/800,729
; CURRENT FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: PCT/US00/26013
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/155,709
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 217
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 82
; LENGTH: 613
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-800-729-82

  Query Match        2.6%;   Score 8;  DB 4;   Length 613;
  Best Local Similarity   100.0%;   Pred. No. 32;
  Matches  8;   Conservative  0;   Mismatches  0;   Indels  0;   Gaps  0;

Qy   14  SLPLLLLL  21
         ||||||||
Db   12  SLPLLLLL  19

RESULT 9
US-09-800-729-98
; Sequence 98, Application US/09800729
; Patent No. 6605592
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: 32 Human secreted proteins
; FILE REFERENCE: PZ044P1
; CURRENT APPLICATION NUMBER: US/09/800,729
; CURRENT FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: PCT/US00/26013
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/155,709
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 217
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 98
; LENGTH: 613
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (507)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-800-729-98

  Query Match        2.6%;   Score 8;  DB 4;   Length 613;
  Best Local Similarity   100.0%;   Pred. No. 32;
  Matches  8;   Conservative  0;   Mismatches  0;   Indels  0;   Gaps  0;

Qy   14  SLPLLLLL  21
```

```
Db   12  SLPLLLLL  19

RESULT 10
US-08-447-464-3
; Sequence 3, Application US/08447464
; Patent No. 5840842
; GENERAL INFORMATION:
; APPLICANT: Schlessinger, Joseph
; APPLICANT: Yan, Hai
; TITLE OF INVENTION: NOVEL RECEPTOR-TYPE PROTEIN
; TITLE OF INVENTION: PHOSPHOTYROSINE PHOSPHATASE-SIGMA
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/447,464
; FILING DATE: 24-MAY-1995
; CLASIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/130,570
; FILING DATE: 01-OCT-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 7683-043
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-790-9090
; TELEFAX: 212-869-8864/9741
; TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1501 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-447-464-3

  Query Match        2.6%;   Score 8;   DB 2;   Length 1501;
  Best Local Similarity   100.0%;   Pred. No. 72;
  Matches  8;   Conservative  0;   Mismatches  0;   Indels  0;   Gaps  0;

Qy   207  CVATNSAG  214
          ||||||||
Db   207  CVATNSAG  214

RESULT 11
US-08-716-679-3
; Sequence 3, Application US/08716679
; Patent No. 5846800
; GENERAL INFORMATION:
; APPLICANT: Schlessinger, Joseph
; APPLICANT: Yan, Hai
; TITLE OF INVENTION: NOVEL RECEPTOR-TYPE PROTEIN
; TITLE OF INVENTION: PHOSPHOTYROSINE PHOSPHATASE-SIGMA
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
```

```
        COUNTRY: U.S.A.
        ZIP: 10036-2711
   COMPUTER READABLE FORM:
        MEDIUM TYPE: Floppy disk
        COMPUTER: IBM PC compatible
        OPERATING SYSTEM: PC-DOS/MS-DOS
        SOFTWARE: PatentIn Release #1.0, Version #1.25
   CURRENT APPLICATION DATA:
        APPLICATION NUMBER: US/08/716,679
        FILING DATE:
        CLASSIFICATION: 435
   PRIOR APPLICATION DATA:
        APPLICATION NUMBER: US/08/130,570
        FILING DATE:
   ATTORNEY/AGENT INFORMATION:
        NAME: Misrock, S. Leslie
        REGISTRATION NUMBER: 18,872
        REFERENCE/DOCKET NUMBER: 7683-043
   TELECOMMUNICATION INFORMATION:
        TELEPHONE: 212-790-9090
        TELEFAX: 212-869-8864/9741
        TELEX: 66141 PENNIE
   INFORMATION FOR SEQ ID NO: 3:
        SEQUENCE CHARACTERISTICS:
        LENGTH: 1501 amino acids
        TYPE: amino acid
        TOPOLOGY: linear
        MOLECULE TYPE: protein
US-08-716-679-3

Query Match             2.6%;    Score 8;  DB 2;  Length 1501;
Best Local Similarity   100.0%;  Pred. No. 72;
Matches  8;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy      207 CVATNSAG 214
            ||||||||
Db      207 CVATNSAG 214


RESULT 12
US-08-348-006B-5
; Sequence 5, Application US/08348006B
; Patent No. 5658756
; GENERAL INFORMATION:
;  APPLICANT: RODAN, GIDEON A.
;  APPLICANT: SCHMIDT, AZRIEL
;  APPLICANT: RUTLEDGE, SU JANE
;  TITLE OF INVENTION: CDNA ENCODING A NOVEL HUMAN PROTEIN
;  TITLE OF INVENTION: TYROSINE PHOSPHATASE
;  NUMBER OF SEQUENCES: 7
;  CORRESPONDENCE ADDRESS:
;   ADDRESSEE: J. MARK HAND
;   STREET: 126 E. LINCOLN AVE., P.O. BOX 2000
;   CITY: RAHWAY
;   STATE: NEW JERSEY
;   COUNTRY: USA
;   ZIP: 07065-0900
;  COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.30
;  CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/348,006B
;   FILING DATE:
;   CLASSIFICATION: 514
;  PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/122,032
;   FILING DATE: 14-SEP-1993
;  ATTORNEY/AGENT INFORMATION:
;   NAME: HAND, J., MARK
;   REGISTRATION NUMBER: 36,545
;   REFERENCE/DOCKET NUMBER: 189921A
```

```
   TELECOMMUNICATION INFORMATION:
        TELEPHONE: 908-594-3905
        TELEFAX: 908-594-4720
   INFORMATION FOR SEQ ID NO: 5:
        SEQUENCE CHARACTERISTICS:
        LENGTH: 1911 amino acids
        TYPE: amino acid
        STRANDEDNESS: single
        TOPOLOGY: linear
        MOLECULE TYPE: protein
US-08-348-006B-5

Query Match             2.6%;    Score 8;  DB 1;  Length 1911;
Best Local Similarity   100.0%;  Pred. No. 91;
Matches  8;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy      207 CVATNSAG 214
            ||||||||
Db      207 CVATNSAG 214


RESULT 13
US-08-800-825A-5
; Sequence 5, Application US/08800825A
; Patent No. 5866397
; GENERAL INFORMATION:
;  APPLICANT: RODAN, GIDEON A.
;  APPLICANT: SCHMIDT, AZRIEL
;  APPLICANT: RUTLEDGE, SU JANE
;  TITLE OF INVENTION: CDNA ENCODING A NOVEL HUMAN PROTEIN
;  TITLE OF INVENTION: TYROSINE PHOSPHATASE
;  NUMBER OF SEQUENCES: 7
;  CORRESPONDENCE ADDRESS:
;   ADDRESSEE: J. MARK HAND - MERCK & CO., INC.
;   STREET: 126 E. LINCOLN AVE., P.O. BOX 2000
;   CITY: RAHWAY
;   STATE: NEW JERSEY
;   COUNTRY: USA
;   ZIP: 07065-0900
;  COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.30
;  CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/800,825A
;   FILING DATE: 14-FEB-1997
;   CLASSIFICATION: 435
;  ATTORNEY/AGENT INFORMATION:
;   NAME: HAND, J. MARK
;   REGISTRATION NUMBER: 36,545
;   REFERENCE/DOCKET NUMBER: 18992DA
;  TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 732-594-3905
;   TELEFAX: 732-594-4720
;  INFORMATION FOR SEQ ID NO: 5:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 1911 amino acids
;   TYPE: amino acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: protein
US-08-800-825A-5

Query Match             2.6%;    Score 8;  DB 2;  Length 1911;
Best Local Similarity   100.0%;  Pred. No. 91;
Matches  8;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy      207 CVATNSAG 214
            ||||||||
Db      207 CVATNSAG 214
```

RESULT 14
US-09-158-657-5
; Sequence 5, Application US/09158657
; Patent No. 6214564
; GENERAL INFORMATION:
;   APPLICANT: RODAN, GIDEON A.
;   APPLICANT: SCHMIDT, AZRIEL
;   APPLICANT: RUTLEDGE, SU JANE
;   TITLE OF INVENTION: CDNA ENCODING A NOVEL HUMAN PROTEIN
;   TITLE OF INVENTION: TYROSINE PHOSPHATASE
;   NUMBER OF SEQUENCES: 7
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: J. MARK HAND - MERCK & CO., INC.
;   STREET: 126 E. LINCOLN AVE., P.O. BOX 2000
;   CITY: RAHWAY
;   STATE: NEW JERSEY
;   COUNTRY: USA
;   ZIP: 07065-0900
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/09/158,657
;   FILING DATE:
;   CLASSIFICATION:
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 08/800,825
;   FILING DATE: 14-FEB-1997
;   ATTORNEY/AGENT INFORMATION:
;   NAME: HAND, J. MARK
;   REGISTRATION NUMBER: 36,545
;   REFERENCE/DOCKET NUMBER: 18992DA
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 732-594-3905
;   TELEFAX: 732-594-4720
;   INFORMATION FOR SEQ ID NO: 5:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 1911 amino acids
;   TYPE: amino acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: protein
US-09-158-657-5

Query Match   2.6%;   Score 8;   DB 3;   Length 1911;
Best Local Similarity 100.0%; Pred. No. 91;
Matches   8; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

Qy   207 CVATNSAG 214
            ||||||||
Db   207 CVATNSAG 214

RESULT 15
PCT-US94-10166-5
; Sequence 5, Application PC/TUS9410166
; GENERAL INFORMATION:
;   APPLICANT: RODAN, GIDEON A
;   APPLICANT: SCHMIDT, AZRIEL
;   APPLICANT: RUTLEDGE, SU JANE
;   TITLE OF INVENTION: CDNA ENCODING A NOVEL HUMAN PROTEIN
;   TITLE OF INVENTION: TYROSINE PHOSPHATASE
;   NUMBER OF SEQUENCES: 6
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: JOHN W. WALLEN III
;   STREET: P.O. BOX 2000, 126 E. LINCOLN AVE.
;   CITY: RAHWAY
;   STATE: NJ
;   COUNTRY: USA
;   ZIP: 07065
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: PCT/US94/10166
;   FILING DATE: 09-SEPT-1994
;   CLASSIFICATION:
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/122,032
;   FILING DATE: 14-SEP-1993
;   ATTORNEY/AGENT INFORMATION:
;   NAME: WALLEN, JOHN W III
;   REGISTRATION NUMBER: 35403
;   REFERENCE/DOCKET NUMBER: 18992
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 908-594-3905
;   TELEFAX: 908-594-4720
;   TELEX: 138825
;   INFORMATION FOR SEQ ID NO: 5:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 1911 amino acids
;   TYPE: amino acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: protein
PCT-US94-10166-5

Query Match   2.6%;   Score 8;   DB 5;   Length 1911;
Best Local Similarity 100.0%; Pred. No. 91;
Matches   8; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

Qy   207 CVATNSAG 214
            ||||||||
Db   207 CVATNSAG 214

Search completed: June 25, 2004, 09:38:22
Job time : 34 secs

```
          GenCore version 5.1.6

       Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on:   June 25, 2004, 09:29:21 ; Search time 49 Seconds
                                     (without alignments)
                              1745.735 Million cell updates/sec

Title:          US-10-047-021-86
Perfect score:  303
Sequence:       1 MGSGGDSLLGGRGSLPLLLL.........SGPRLPREARELRGQRRNTG 303

Scoring table:  OLIGO
                Gapop 60.0 , Gapext 60.0

Searched:       1163542 seqs, 282312646 residues

Word size :     0

Total number of hits satisfying chosen parameters:        1163542

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Listing first 1000 summaries

Database ::     Published_Applications_AA:*
            1:  /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
            2:  /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
            3:  /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
            4:  /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
            5:  /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
            6:  /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep:*
            7:  /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
            8:  /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
            9:  /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep:*
           10:  /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep:*
           11:  /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
           12:  /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
           13:  /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep:*
           14:  /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep:*
           15:  /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
           16:  /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
           17:  /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
           18:  /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
```

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	300	99.0	303	15	US-10-047-021-86	Sequence 86, Appl
2	300	99.0	304	14	US-10-411-224-86	Sequence 86, Appl
3	148	48.8	480	10	US-09-796-753-158	Sequence 158, App
4	148	48.8	985	9	US-09-978-295A-211	Sequence 211, App
5	148	48.8	985	9	US-09-978-697-211	Sequence 211, App
6	148	48.8	985	9	US-09-978-192A-211	Sequence 211, App
7	148	48.8	985	9	US-09-999-832A-211	Sequence 211, App
8	148	48.8	985	10	US-09-978-189-211	Sequence 211, App
9	148	48.8	985	10	US-09-978-608A-211	Sequence 211, App
10	148	48.8	985	10	US-09-978-585A-211	Sequence 211, App
11	148	48.8	985	10	US-09-978-191A-211	Sequence 211, App
12	148	48.8	985	10	US-09-978-403A-211	Sequence 211, App
13	148	48.8	985	10	US-09-978-564A-211	Sequence 211, App
14	148	48.8	985	10	US-09-999-833A-211	Sequence 211, App
15	148	48.8	985	10	US-09-981-915A-211	Sequence 211, App
16	148	48.8	985	10	US-09-978-824-211	Sequence 211, App
17	148	48.8	985	10	US-09-918-585A-211	Sequence 211, App
18	148	48.8	985	10	US-09-978-423A-211	Sequence 211, App
19	148	48.8	985	10	US-09-978-193A-211	Sequence 211, App
20	148	48.8	985	10	US-09-999-830A-211	Sequence 211, App
21	148	48.8	985	10	US-09-978-757A-211	Sequence 211, App
22	148	48.8	985	10	US-09-978-187B-211	Sequence 211, App
23	148	48.8	985	10	US-09-978-643A-211	Sequence 211, App
24	148	48.8	985	10	US-09-978-375A-211	Sequence 211, App
25	148	48.8	985	10	US-09-978-298A-211	Sequence 211, App
26	148	48.8	985	10	US-09-978-188A-211	Sequence 211, App
27	148	48.8	985	10	US-09-978-681A-211	Sequence 211, App
28	148	48.8	985	10	US-09-978-194A-211	Sequence 211, App
29	148	48.8	985	10	US-09-999-829A-211	Sequence 211, App
30	148	48.8	985	10	US-09-978-299A-211	Sequence 211, App
31	148	48.8	985	10	US-09-978-544A-211	Sequence 211, App
32	148	48.8	985	10	US-09-978-665A-211	Sequence 211, App
33	148	48.8	985	10	US-09-978-802A-211	Sequence 211, App
34	148	48.8	985	12	US-10-164-749A-211	Sequence 211, App
35	148	48.8	985	12	US-09-999-831A-211	Sequence 211, App
36	148	48.8	985	12	US-10-013-917A-211	Sequence 211, App
37	148	48.8	985	12	US-09-999-834A-211	Sequence 211, App
38	148	48.8	985	12	US-10-162-521A-211	Sequence 211, App
39	148	48.8	985	12	US-10-145-016A-211	Sequence 211, App
40	148	48.8	985	12	US-10-145-088A-211	Sequence 211, App
41	148	48.8	985	12	US-10-145-092A-211	Sequence 211, App
42	148	48.8	985	12	US-10-145-129A-211	Sequence 211, App
43	148	48.8	985	12	US-10-165-038A-211	Sequence 211, App
44	148	48.8	985	12	US-10-165-353A-211	Sequence 211, App
45	148	48.8	985	12	US-10-167-600-211	Sequence 211, App
46	148	48.8	985	12	US-10-170-481A-211	Sequence 211, App
47	148	48.8	985	12	US-10-172-039A-211	Sequence 211, App
48	148	48.8	985	12	US-10-210-028-211	Sequence 211, App
49	148	48.8	985	14	US-10-017-081A-211	Sequence 211, App
50	148	48.8	985	14	US-10-167-749-211	Sequence 211, App
51	148	48.8	985	14	US-10-013-921A-211	Sequence 211, App
52	148	48.8	985	14	US-10-013-929A-211	Sequence 211, App
53	148	48.8	985	14	US-10-016-177A-211	Sequence 211, App
54	148	48.8	985	14	US-10-166-709A-211	Sequence 211, App
55	148	48.8	985	14	US-10-143-031A-211	Sequence 211, App
56	148	48.8	985	14	US-10-143-030A-211	Sequence 211, App
57	148	48.8	985	14	US-10-002-967A-211	Sequence 211, App
58	148	48.8	985	14	US-10-017-083A-211	Sequence 211, App
59	148	48.8	985	14	US-10-145-128A-211	Sequence 211, App
60	148	48.8	985	14	US-10-017-191A-211	Sequence 211, App
61	148	48.8	985	14	US-10-143-028A-211	Sequence 211, App
62	148	48.8	985	14	US-10-143-029A-211	Sequence 211, App
63	148	48.8	985	14	US-10-145-089A-211	Sequence 211, App
64	148	48.8	985	14	US-10-165-067A-211	Sequence 211, App
65	148	48.8	985	14	US-10-145-017A-211	Sequence 211, App
66	148	48.8	985	14	US-10-164-728A-211	Sequence 211, App
67	148	48.8	985	14	US-10-013-926A-211	Sequence 211, App
68	148	48.8	985	14	US-10-165-247A-211	Sequence 211, App
69	148	48.8	985	14	US-10-145-124A-211	Sequence 211, App
70	148	48.8	985	14	US-10-160-502A-211	Sequence 211, App
71	148	48.8	985	14	US-10-145-087A-211	Sequence 211, App
72	148	48.8	985	14	US-10-017-086A-211	Sequence 211, App
73	148	48.8	985	14	US-10-164-829A-211	Sequence 211, App
74	148	48.8	985	14	US-10-164-929A-211	Sequence 211, App
75	148	48.8	985	14	US-10-013-922A-211	Sequence 211, App
76	148	48.8	985	14	US-10-020-445A-211	Sequence 211, App
77	148	48.8	985	14	US-10-013-924A-211	Sequence 211, App
78	148	48.8	985	15	US-10-017-084A-211	Sequence 211, App
79	148	48.8	985	15	US-10-017-085A-211	Sequence 211, App
80	148	48.8	985	15	US-10-013-916A-211	Sequence 211, App
81	148	48.8	985	15	US-10-143-026B-211	Sequence 211, App
82	148	48.8	985	15	US-10-013-918A-211	Sequence 211, App
83	148	48.8	985	15	US-10-013-928A-211	Sequence 211, App
84	148	48.8	985	15	US-10-162-522A-211	Sequence 211, App
85	148	48.8	985	15	US-10-013-925A-211	Sequence 211, App
86	148	48.8	985	15	US-10-013-927A-211	Sequence 211, App
87	148	48.8	985	15	US-10-013-927A-211	Sequence 211, App
88	148	48.8	985	15	US-10-145-093A-211	Sequence 211, App

#	Len	%	Pos	Ct	Patent	Sequence
89	148	48.8	985	15	US-10-013-919A-211	Sequence 211, App
90	148	48.8	985	15	US-10-013-920A-211	Sequence 211, App
91	148	48.8	1075	12	US-10-416-090-43	Sequence 43, Appl
92	148	48.8	1104	12	US-10-416-090-37	Sequence 37, Appl
93	120	39.6	792	14	US-10-059-585-22	Sequence 22, Appl
94	110	36.3	934	10	US-09-796-753-156	Sequence 156, App
95	27	8.9	1005	12	US-10-416-090-48	Sequence 48, Appl
96	27	8.9	1015	12	US-10-416-090-40	Sequence 40, Appl
97	20	6.6	20	12	US-10-416-090-2	Sequence 2, Appli
98	12	4.0	12	12	US-10-416-090-1	Sequence 1, Appli
99	10	3.3	10	12	US-10-416-090-3	Sequence 3, Appli
100	10	3.3	1208	12	US-10-435-751-36	Sequence 36, Appl
101	10	3.3	1209	16	US-10-457-106-2	Sequence 2, Appli
102	9	3.0	540	16	US-10-275-311A-7	Sequence 7, Appli
103	8	2.6	117	13	US-10-000-639-5	Sequence 5, Appli
104	9	3.3	120	9	US-09-931-381A-12	Sequence 12, Appl
105	8	2.6	120	9	US-09-898-751A-14	Sequence 14, Appl
106	8	2.6	120	8	US-09-792-793A-87	Sequence 87, Appl
107	8	2.6	120	14	US-10-146-496-8	Sequence 8, Appli
108	8	2.6	120	15	US-10-375-209A-87	Sequence 87, Appli
109	8	2.6	159	13	US-10-000-639-2	Sequence 2, Appli
110	8	2.6	189	9	US-09-987-967-2	Sequence 2, Appli
111	8	2.6	195	16	US-10-416-314-24	Sequence 24, Appl
112	8	2.6	199	15	US-10-291-265-880	Sequence 880, App
113	8	2.6	220	9	US-10-925-101-1209	Sequence 1209, Ap
114	8	2.6	226	9	US-09-745-763-106	Sequence 106, App
115	8	2.6	226	10	US-09-774-381-44	Sequence 44, Appl
116	8	2.6	227	15	US-10-262-445-128	Sequence 128, App
117	8	2.6	255	15	US-10-369-493-8078	Sequence 8078, Ap
118	8	2.6	287	9	US-09-800-729-114	Sequence 114, App
119	8	2.6	287	9	US-09-800-729-153	Sequence 153, App
120	8	2.6	287	11	US-09-833-245-2171	Sequence 2171, Ap
121	8	2.6	291	8	US-09-935-390A-21	Sequence 21, Appl
122	8	2.6	303	12	US-10-425-114-38677	Sequence 38677, A
123	8	2.6	306	14	US-10-191-029-12	Sequence 12, Appl
124	8	2.6	326	12	US-10-276-774-2380	Sequence 2380, Ap
125	8	2.6	330	14	US-10-174-693-284	Sequence 284, App
126	8	2.6	332	9	US-09-925-297-786	Sequence 786, App
127	8	2.6	478	15	US-10-369-493-501	Sequence 501, App
128	8	2.6	577	15	US-10-093-463-180	Sequence 180, App
129	8	2.6	602	15	US-10-104-047-3324	Sequence 3324, Ap
130	8	2.6	613	9	US-09-800-729-82	Sequence 82, Appl
131	8	2.6	613	9	US-09-800-729-98	Sequence 98, Appl
132	8	2.6	613	11	US-09-833-245-2172	Sequence 2172, Ap
133	8	2.6	613	11	US-09-833-245-2174	Sequence 2174, Ap
134	8	2.6	623	12	US-10-425-114-40508	Sequence 40508, A
135	8	2.6	1194	14	US-10-191-029-10	Sequence 10, Appl
136	8	2.6	1502	10	US-09-808-198-44	Sequence 44, Appl
137	8	2.6	1502	15	US-09-808-602-54	Sequence 54, Appl
138	8	2.6	1907	15	US-10-291-265-250	Sequence 250, App
139	8	2.6	1948	10	US-09-808-602-55	Sequence 55, Appl
140	8	2.6	1948	14	US-09-808-198-45	Sequence 45, Appl
141	8	2.6	6642	15	US-10-369-882-5013	Sequence 5013, Ap
142	7	2.3	10	9	US-09-872-832-12	Sequence 12, Appl
143	7	2.3	10	10	US-09-572-404B-594	Sequence 594, App
144	7	2.3	24	10	US-09-759-130B-327	Sequence 327, App
145	7	2.3	24	14	US-10-189-123-57	Sequence 57, Appl
146	7	2.3	24	14	US-10-188-495-57	Sequence 57, Appl
147	7	2.3	35	11	US-09-833-245-773	Sequence 773, App
148	7	2.3	46	14	US-10-050-882-135	Sequence 135, App
149	7	2.3	54	12	US-10-262-839-68	Sequence 68, Appl
150	7	2.3	63	9	US-09-864-761-38449	Sequence 38449, A
151	7	2.3	64	9	US-09-754-997A-10	Sequence 10, Appl
152	7	2.3	65	12	US-10-424-599-157036	Sequence 157036,
153	7	2.3	66	12	US-10-424-599-268902	Sequence 268902,
154	7	2.3	67	13	US-09-864-761-38967	Sequence 38967, A
155	7	2.3	70	15	US-10-291-265-739	Sequence 739, App
156	7	2.3	71	14	US-09-764-847-981	Sequence 981, App
157	7	2.3	83	12	US-10-424-599-187538	Sequence 187538,
158	7	2.3	85	12	US-10-424-599-174403	Sequence 174403,
159	7	2.3	86	9	US-09-864-761-44002	Sequence 44002, A
160	7	2.3	86	12	US-10-424-599-163591	Sequence 163591,
161	7	2.3	86	12	US-10-424-599-163591	Sequence 163591,

#	Len	%	Pos	Ct	Patent	Sequence
162	7	2.3	91	12	US-10-424-599-155104	Sequence 155104,
163	7	2.3	92	11	US-09-833-245-1829	Sequence 1829, Ap
164	7	2.3	92	11	US-09-833-245-1830	Sequence 1830, Ap
165	7	2.3	93	11	US-09-833-245-1831	Sequence 1831, Ap
166	7	2.3	94	11	US-10-419-296-12	Sequence 12, Appl
167	7	2.3	94	9	US-09-858-664A-23	Sequence 23, Appl
168	7	2.3	94	12	US-10-424-599-212266	Sequence 212266,
169	7	2.3	96	11	US-10-697-263-24	Sequence 24, Appl
170	7	2.3	97	11	US-09-864-408A-7818	Sequence 7818, Ap
171	7	2.3	98	12	US-10-424-599-271318	Sequence 271318,
172	7	2.3	99	11	US-09-764-891-3588	Sequence 3588, Ap
173	7	2.3	99	9	US-09-764-869-825	Sequence 825, App
174	7	2.3	99	11	US-09-833-245-1146	Sequence 1146, Ap
175	7	2.3	99	12	US-10-091-504-825	Sequence 825, App
176	7	2.3	99	15	US-10-227-577-825	Sequence 825, App
177	7	2.3	101	12	US-09-864-761-35856	Sequence 35856, A
178	7	2.3	105	10	US-09-996-480-231	Sequence 231, App
179	7	2.3	108	12	US-10-311-129-29	Sequence 29, Appl
180	7	2.3	110	12	US-10-424-599-206728	Sequence 206728,
181	7	2.3	113	14	US-09-764-847-501	Sequence 501, App
182	7	2.3	113	12	US-10-092-154-501	Sequence 501, App
183	7	2.3	114	12	US-10-042-865-10	Sequence 10, Appl
184	7	2.3	114	16	US-10-628-110-215	Sequence 215, App
185	7	2.3	116	12	US-10-424-599-188592	Sequence 188592,
186	7	2.3	116	12	US-10-262-839-62	Sequence 62, Appl
187	7	2.3	117	12	US-10-424-599-252295	Sequence 252295,
188	7	2.3	119	9	US-09-858-664A-30	Sequence 30, Appl
189	7	2.3	119	12	US-10-697-263-31	Sequence 31, Appl
190	7	2.3	120	11	US-09-833-245-777	Sequence 777, App
191	7	2.3	120	12	US-10-424-599-274310	Sequence 274310,
192	7	2.3	122	9	US-09-811-284-148	Sequence 148, App
193	7	2.3	123	12	US-10-262-839-64	Sequence 64, Appl
194	7	2.3	126	8	US-09-815-248-6	Sequence 6, Appli
195	7	2.3	126	14	US-10-016-986-142	Sequence 142, App
196	7	2.3	127	12	US-10-424-599-184083	Sequence 184083,
197	7	2.3	132	9	US-09-764-898-258	Sequence 258, App
198	7	2.3	132	9	US-09-764-903-53	Sequence 53, Appl
199	7	2.3	132	9	US-09-764-877-2055	Sequence 2055, Ap
200	7	2.3	132	15	US-10-242-515-2055	Sequence 2055, Ap
201	7	2.3	133	11	US-09-833-245-1143	Sequence 1143, Ap
202	7	2.3	133	11	US-09-833-245-1145	Sequence 1145, Ap
203	7	2.3	134	12	US-10-424-599-161183	Sequence 161183, A
204	7	2.3	135	12	US-10-282-122A-68756	Sequence 68756, A
205	7	2.3	136	14	US-10-020-419-4	Sequence 4, Appli
206	7	2.3	139	12	US-10-276-774-1406	Sequence 1406, Ap
207	7	2.3	140	12	US-10-424-599-148624	Sequence 148624,
208	7	2.3	141	12	US-10-424-599-206661	Sequence 206661,
209	7	2.3	146	11	US-09-833-245-2081	Sequence 2081, Ap
210	7	2.3	146	14	US-10-060-255-65	Sequence 65, Appl
211	7	2.3	147	15	US-10-443-201-64	Sequence 64, Appl
212	7	2.3	147	15	US-10-443-201-66	Sequence 66, Appl
213	7	2.3	147	15	US-10-443-201-68	Sequence 68, Appl
214	7	2.3	148	15	US-10-443-201-70	Sequence 70, Appl
215	7	2.3	148	9	US-09-764-898-257	Sequence 257, App
216	7	2.3	148	15	US-10-242-515-2054	Sequence 2054, Ap
217	7	2.3	148	9	US-09-764-903-52	Sequence 52, Appl
218	7	2.3	148	15	US-09-764-877-2054	Sequence 2054, Ap
219	7	2.3	153	9	US-09-984-130-31	Sequence 31, Appl
220	7	2.3	164	10	US-09-836-353A-31	Sequence 31, Appl
221	7	2.3	164	10	US-10-177-293-393	Sequence 393, App
222	7	2.3	172	15	US-10-443-201-62	Sequence 62, Appl
223	7	2.3	174	11	US-10-242-515-2054	Sequence 2054, Ap
224	7	2.3	176	12	US-10-419-296-14	Sequence 14, Appl
225	7	2.3	176	9	US-09-893-737-62	Sequence 62, Appl
226	7	2.3	179	14	US-10-308-393-4	Sequence 4, Appli
227	7	2.3	185	12	US-10-099-766-4	Sequence 4, Appli
228	7	2.3	185	16	US-10-425-114-56001	Sequence 56001, A
229	7	2.3		12	US-09-833-245-316	Sequence 316, App
230	7	2.3		12	US-10-477-726-90	Sequence 90, Appl
231	7	2.3		16	US-10-419-296-14	Sequence 14, Appl
232	7	2.3		12	US-09-978-360A-566	Sequence 566, App
233	7	2.3		12	US-10-433-561-72	Sequence 72, Appl
234	7	2.3		16	US-10-477-726-72	Sequence 72, Appl

#					Patent No.	Sequence
235	7	2.3	195	16	US-10-309-290-130	Sequence 130, App
236	7	2.3	197	12	US-10-424-599-255812	Sequence 255812,
237	7	2.3	198	14	US-10-060-255-79	Sequence 79, Appl
238	7	2.3	202	14	US-10-042-865-8	Sequence 8, Appl
239	7	2.3	202	12	US-10-081-056-368	Sequence 368, App
240	7	2.3	202	12	US-10-305-654-368	Sequence 368, App
241	7	2.3	202	14	US-10-223-085-368	Sequence 368, App
242	7	2.3	202	14	US-10-223-084-368	Sequence 368, App
243	7	2.3	202	14	US-10-223-088-368	Sequence 368, App
244	7	2.3	202	14	US-10-223-090-368	Sequence 368, App
245	7	2.3	202	14	US-10-223-087-368	Sequence 368, App
246	7	2.3	202	14	US-10-223-083-368	Sequence 368, App
247	7	2.3	202	14	US-10-223-089-368	Sequence 368, App
248	7	2.3	202	14	US-10-223-081-368	Sequence 368, App
249	7	2.3	202	14	US-10-223-082-368	Sequence 368, App
250	7	2.3	202	14	US-10-291-265-267	Sequence 267, App
251	7	2.3	203	15	US-10-425-114-52369	Sequence 52369, A
252	7	2.3	209	9	US-09-921-984-2	Sequence 2, Appli
253	7	2.3	209	13	US-10-138-787-6	Sequence 6, Appli
254	7	2.3	210	14	US-10-017-161-1268	Sequence 1268, Ap
255	7	2.3	210	15	US-10-292-798-1050	Sequence 1050, Ap
256	7	2.3	211	12	US-10-243-552-438	Sequence 438, App
257	7	2.3	211	14	US-10-050-882-131	Sequence 131, App
258	7	2.3	215	14	US-10-255-532-4	Sequence 4, Appli
259	7	2.3	215	15	US-10-391-399-84	Sequence 84, Appl
260	7	2.3	218	15	US-10-425-114-47158	Sequence 47158, A
261	7	2.3	219	12	US-10-264-049-2395	Sequence 2395, Ap
262	7	2.3	223	10	US-09-875-321-9	Sequence 9, Appli
263	7	2.3	223	14	US-10-162-012-9	Sequence 9, Appli
264	7	2.3	223	14	US-10-106-698-6398	Sequence 6398, Ap
265	7	2.3	223	15	US-10-162-102-9	Sequence 9, Appli
266	7	2.3	230	12	US-09-995-693-2	Sequence 2, Appli
267	7	2.3	230	12	US-10-424-599-253206	Sequence 253206,
268	7	2.3	230	14	US-10-232-408-2	Sequence 2, Appli
269	7	2.3	230	14	US-10-199-869-17	Sequence 17, Appl
270	7	2.3	234	11	US-09-833-245-318	Sequence 318, App
271	7	2.3	238	12	US-10-425-114-56899	Sequence 56899, A
272	7	2.3	240	11	US-09-974-298-147	Sequence 147, App
273	7	2.3	240	11	US-09-989-245-1157	Sequence 1157, Ap
274	7	2.3	244	11	US-09-833-245-1158	Sequence 1158, Ap
275	7	2.3	244	12	US-09-282-122A-71289	Sequence 71289, A
276	7	2.3	246	9	US-09-989-722-225	Sequence 225, App
277	7	2.3	246	9	US-09-989-722-225	Sequence 225, App
278	7	2.3	246	9	US-09-989-279-225	Sequence 225, App
279	7	2.3	246	9	US-09-989-727-225	Sequence 225, App
280	7	2.3	246	9	US-09-989-731-225	Sequence 225, App
281	7	2.3	246	9	US-09-989-732-225	Sequence 225, App
282	7	2.3	246	9	US-09-991-073-225	Sequence 225, App
283	7	2.3	246	9	US-09-990-442-225	Sequence 225, App
284	7	2.3	246	9	US-09-991-163-225	Sequence 225, App
285	7	2.3	246	9	US-09-993-604-225	Sequence 225, App
286	7	2.3	246	9	US-09-990-456-225	Sequence 225, App
287	7	2.3	246	9	US-09-989-721-225	Sequence 225, App
288	7	2.3	246	9	US-09-992-598-225	Sequence 225, App
289	7	2.3	246	9	US-09-989-293A-225	Sequence 225, App
290	7	2.3	246	9	US-09-990-438-225	Sequence 225, App
291	7	2.3	246	9	US-09-990-444-225	Sequence 225, App
292	7	2.3	246	9	US-09-991-181-225	Sequence 225, App
293	7	2.3	246	9	US-09-989-730-225	Sequence 225, App
294	7	2.3	246	10	US-09-989-436-225	Sequence 225, App
295	7	2.3	246	10	US-09-993-687-225	Sequence 225, App
296	7	2.3	246	10	US-09-989-734-225	Sequence 225, App
297	7	2.3	246	10	US-09-997-653-225	Sequence 225, App
298	7	2.3	246	10	US-09-993-667-225	Sequence 225, App
299	7	2.3	246	10	US-09-997-428-225	Sequence 225, App
300	7	2.3	246	10	US-09-997-665-225	Sequence 225, App
301	7	2.3	246	10	US-09-990-438-225	Sequence 225, App
302	7	2.3	246	10	US-09-990-562-225	Sequence 225, App
303	7	2.3	246	10	US-09-990-711-225	Sequence 225, App
304	7	2.3	246	10	US-09-989-726-225	Sequence 225, App
305	7	2.3	246	10	US-09-998-156-225	Sequence 225, App
306	7	2.3	246	10	US-09-990-437-225	Sequence 225, App
307	7	2.3	246	10	US-09-991-157-225	Sequence 225, App
308	7	2.3	246	10	US-09-997-514-225	Sequence 225, App
309	7	2.3	246	10	US-09-997-573-225	Sequence 225, App
310	7	2.3	246	10	US-09-991-172-225	Sequence 225, App
311	7	2.3	246	10	US-09-990-726-225	Sequence 225, App
312	7	2.3	246	10	US-09-997-559-225	Sequence 225, App
313	7	2.3	246	10	US-09-997-601-225	Sequence 225, App
314	7	2.3	246	10	US-09-990-443-225	Sequence 225, App
315	7	2.3	246	10	US-09-991-854-225	Sequence 225, App
316	7	2.3	246	10	US-09-997-628-225	Sequence 225, App
317	7	2.3	246	10	US-09-997-683-225	Sequence 225, App
318	7	2.3	246	10	US-09-989-729A-225	Sequence 225, App
319	7	2.3	246	10	US-09-997-349-225	Sequence 225, App
320	7	2.3	246	10	US-09-997-440-225	Sequence 225, App
321	7	2.3	246	10	US-09-990-440-225	Sequence 225, App
322	7	2.3	246	10	US-09-993-469-225	Sequence 225, App
323	7	2.3	246	10	US-09-997-542-225	Sequence 225, App
324	7	2.3	246	10	US-09-993-748-225	Sequence 225, App
325	7	2.3	246	10	US-09-990-439-225	Sequence 225, App
326	7	2.3	246	10	US-09-946-374-338	Sequence 338, App
327	7	2.3	246	10	US-09-990-427-225	Sequence 225, App
328	7	2.3	246	10	US-09-989-328-225	Sequence 225, App
329	7	2.3	246	10	US-09-993-588-225	Sequence 225, App
330	7	2.3	246	10	US-09-941-992-225	Sequence 225, App
331	7	2.3	246	10	US-09-992-521-225	Sequence 225, App
332	7	2.3	246	10	US-09-997-333-225	Sequence 225, App
333	7	2.3	246	10	US-09-997-384-225	Sequence 225, App
334	7	2.3	246	10	US-09-998-041-225	Sequence 225, App
335	7	2.3	246	10	US-09-997-588-225	Sequence 225, App
336	7	2.3	246	10	US-09-997-614-225	Sequence 225, App
337	7	2.3	246	10	US-09-989-862-225	Sequence 225, App
338	7	2.3	246	10	US-09-997-522-225	Sequence 225, App
339	7	2.3	246	10	US-09-997-525-225	Sequence 225, App
340	7	2.3	246	10	US-09-989-725-225	Sequence 225, App
341	7	2.3	246	11	US-09-989-733-225	Sequence 225, App
342	7	2.3	246	11	US-09-992-643-225	Sequence 225, App
343	7	2.3	246	12	US-10-147-493-436	Sequence 436, App
344	7	2.3	246	12	US-10-206-915-600	Sequence 600, App
345	7	2.3	246	12	US-10-145-127-436	Sequence 436, App
346	7	2.3	246	12	US-10-160-503-436	Sequence 436, App
347	7	2.3	246	12	US-10-199-670-600	Sequence 600, App
348	7	2.3	246	12	US-10-143-118-436	Sequence 436, App
349	7	2.3	246	12	US-10-144-993-436	Sequence 436, App
350	7	2.3	246	12	US-10-158-787-436	Sequence 436, App
351	7	2.3	246	12	US-10-201-858-600	Sequence 600, App
352	7	2.3	246	12	US-10-081-056-142	Sequence 142, App
353	7	2.3	246	12	US-10-205-890-600	Sequence 600, App
354	7	2.3	246	12	US-10-208-024-600	Sequence 600, App
355	7	2.3	246	12	US-10-201-853-600	Sequence 600, App
356	7	2.3	246	12	US-10-140-024-436	Sequence 436, App
357	7	2.3	246	12	US-09-989-724-225	Sequence 225, App
358	7	2.3	246	12	US-09-989-728-225	Sequence 225, App
359	7	2.3	246	12	US-10-140-808-436	Sequence 436, App
360	7	2.3	246	12	US-10-174-581-600	Sequence 600, App
361	7	2.3	246	12	US-10-176-483-600	Sequence 600, App
362	7	2.3	246	12	US-10-176-749-600	Sequence 600, App
363	7	2.3	246	12	US-10-176-914-600	Sequence 600, App
364	7	2.3	246	12	US-09-997-857-225	Sequence 225, App
365	7	2.3	246	12	US-10-176-915-600	Sequence 600, App
366	7	2.3	246	12	US-10-006-485A-338	Sequence 338, App
367	7	2.3	246	12	US-10-013-907A-338	Sequence 338, App
368	7	2.3	246	12	US-10-015-499A-338	Sequence 338, App
369	7	2.3	246	12	US-10-180-550-600	Sequence 600, App
370	7	2.3	246	12	US-10-183-014-600	Sequence 600, App
371	7	2.3	246	12	US-10-187-738-600	Sequence 600, App
372	7	2.3	246	12	US-10-187-740-600	Sequence 600, App
373	7	2.3	246	12	US-10-187-883-600	Sequence 600, App
374	7	2.3	246	12	US-10-194-163-600	Sequence 600, App
375	7	2.3	246	12	US-10-194-460-600	Sequence 600, App
376	7	2.3	246	12	US-10-194-463-600	Sequence 600, App
377	7	2.3	246	12	US-10-194-484-600	Sequence 600, App
378	7	2.3	246	12	US-10-195-884-600	Sequence 600, App
379	7	2.3	246	12	US-10-195-896-600	Sequence 600, App
380	7	2.3	246	12	US-10-195-896-600	Sequence 600, App

No.			n	Reference	Sequence
381	2.3	246	12	US-10-196-744-600	Sequence 600, App
382	2.3	246	12	US-10-196-755-600	Sequence 600, App
383	2.3	246	12	US-10-196-757-600	Sequence 600, App
384	2.3	246	12	US-10-197-704-600	Sequence 600, App
385	2.3	246	12	US-10-197-710-600	Sequence 600, App
386	2.3	246	12	US-10-198-758-600	Sequence 600, App
387	2.3	246	12	US-10-198-766-600	Sequence 600, App
388	2.3	246	12	US-10-199-304-600	Sequence 600, App
389	2.3	246	12	US-10-199-309-600	Sequence 600, App
390	2.3	246	12	US-10-199-313-600	Sequence 600, App
391	2.3	246	12	US-10-199-456-600	Sequence 600, App
392	2.3	246	12	US-10-201-329-600	Sequence 600, App
393	2.3	246	12	US-10-202-412-600	Sequence 600, App
394	2.3	246	12	US-10-206-919-600	Sequence 600, App
395	2.3	246	12	US-10-206-922-600	Sequence 600, App
396	2.3	246	12	US-10-206-924-600	Sequence 600, App
397	2.3	246	12	US-10-206-928-600	Sequence 600, App
398	2.3	246	12	US-10-207-914-600	Sequence 600, App
399	2.3	246	12	US-10-207-921-600	Sequence 600, App
400	2.3	246	12	US-10-207-922-600	Sequence 600, App
401	2.3	246	12	US-10-208-027-600	Sequence 600, App
402	2.3	246	12	US-10-256-811-4	Sequence 4, Appli
403	2.3	246	12	US-09-997-641-225	Sequence 225, App
404	2.3	246	12	US-10-013-910A-338	Sequence 338, App
405	2.3	246	12	US-09-991-150-225	Sequence 225, App
406	2.3	246	12	US-10-152-405-436	Sequence 436, App
407	2.3	246	12	US-10-174-57-600	Sequence 600, App
408	2.3	246	12	US-10-183-005-600	Sequence 436, App
409	2.3	246	12	US-10-127-852A-436	Sequence 436, App
410	2.3	246	12	US-10-127-900A-436	Sequence 436, App
411	2.3	246	12	US-10-128-685A-436	Sequence 338, App
412	2.3	246	12	US-10-226-254A-338	Sequence 436, App
413	2.3	246	12	US-10-131-820A-436	Sequence 436, App
414	2.3	246	12	US-10-142-886-436	Sequence 436, App
415	2.3	246	12	US-10-146-728-436	Sequence 436, App
416	2.3	246	12	US-10-146-786-436	Sequence 436, App
417	2.3	246	12	US-10-147-499-436	Sequence 436, App
418	2.3	246	12	US-10-157-798-436	Sequence 436, App
419	2.3	246	12	US-10-305-654-142	Sequence 142, App
420	2.3	246	13	US-10-015-395A-338	Sequence 338, App
421	2.3	246	14	US-10-052-586-600	Sequence 600, App
422	2.3	246	14	US-10-028-072-436	Sequence 436, App
423	2.3	246	14	US-10-174-590-600	Sequence 436, App
424	2.3	246	14	US-10-176-758-600	Sequence 600, App
425	2.3	246	14	US-10-175-737-600	Sequence 600, App
426	2.3	246	14	US-10-121-049-436	Sequence 436, App
427	2.3	246	14	US-10-173-706-600	Sequence 600, App
428	2.3	246	14	US-10-175-738-600	Sequence 600, App
429	2.3	246	14	US-10-175-752-600	Sequence 600, App
430	2.3	246	14	US-10-176-482-600	Sequence 600, App
431	2.3	246	14	US-10-176-757-600	Sequence 600, App
432	2.3	246	14	US-10-176-913-600	Sequence 436, App
433	2.3	246	14	US-10-180-557-600	Sequence 600, App
434	2.3	246	14	US-10-123-904-436	Sequence 600, App
435	2.3	246	14	US-10-140-470-436	Sequence 436, App
436	2.3	246	14	US-10-173-700-600	Sequence 600, App
437	2.3	246	14	US-10-174-572-600	Sequence 600, App
438	2.3	246	14	US-10-174-579-600	Sequence 600, App
439	2.3	246	14	US-10-174-582-600	Sequence 600, App
440	2.3	246	14	US-10-174-588-600	Sequence 436, App
441	2.3	246	14	US-10-175-739-600	Sequence 600, App
442	2.3	246	14	US-10-175-740-600	Sequence 600, App
443	2.3	246	14	US-10-175-743-600	Sequence 600, App
444	2.3	246	14	US-10-175-746-436	Sequence 436, App
445	2.3	246	14	US-10-176-488-600	Sequence 600, App
446	2.3	246	14	US-10-176-492-600	Sequence 436, App
447	2.3	246	14	US-10-176-747-600	Sequence 600, App
448	2.3	246	14	US-10-176-750-600	Sequence 600, App
449	2.3	246	14	US-10-176-918-436	Sequence 600, App
450	2.3	246	14	US-10-176-321-436	Sequence 436, App
451	2.3	246	14	US-10-176-985-600	Sequence 436, App
452	2.3	246	14	US-10-176-987-600	Sequence 600, App
453	2.3	246	14	US-10-176-987-600	Sequence 600, App
454	2.3	246	14	US-10-176-992-600	Sequence 600, App
455	2.3	246	14	US-10-176-993-600	Sequence 600, App
456	2.3	246	14	US-10-184-658-600	Sequence 600, App
457	2.3	246	14	US-10-176-991-600	Sequence 600, App
458	2.3	246	14	US-10-173-695-600	Sequence 600, App
459	2.3	246	14	US-10-173-697-600	Sequence 600, App
460	2.3	246	14	US-10-173-705-600	Sequence 600, App
461	2.3	246	14	US-10-174-576-600	Sequence 600, App
462	2.3	246	14	US-10-174-585-600	Sequence 600, App
463	2.3	246	14	US-10-174-586-600	Sequence 600, App
464	2.3	246	14	US-10-175-747-600	Sequence 600, App
465	2.3	246	14	US-10-176-481-600	Sequence 600, App
466	2.3	246	14	US-10-176-485-600	Sequence 600, App
467	2.3	246	14	US-10-176-487-600	Sequence 600, App
468	2.3	246	14	US-10-176-493-600	Sequence 600, App
469	2.3	246	14	US-10-176-756-600	Sequence 600, App
470	2.3	246	14	US-10-176-911-600	Sequence 600, App
471	2.3	246	14	US-10-176-919-600	Sequence 600, App
472	2.3	246	14	US-10-176-925-600	Sequence 600, App
473	2.3	246	14	US-10-176-978-600	Sequence 600, App
474	2.3	246	14	US-10-179-510-600	Sequence 600, App
475	2.3	246	14	US-10-180-543-600	Sequence 600, App
476	2.3	246	14	US-10-180-544-600	Sequence 600, App
477	2.3	246	14	US-10-180-546-600	Sequence 600, App
478	2.3	246	14	US-10-180-547-600	Sequence 600, App
479	2.3	246	14	US-10-180-549-600	Sequence 600, App
480	2.3	246	14	US-10-180-555-600	Sequence 600, App
481	2.3	246	14	US-10-180-559-600	Sequence 600, App
482	2.3	246	14	US-10-181-000-600	Sequence 600, App
483	2.3	246	14	US-10-183-010-600	Sequence 600, App
484	2.3	246	14	US-10-183-012-600	Sequence 600, App
485	2.3	246	14	US-10-184-614-600	Sequence 600, App
486	2.3	246	14	US-10-184-623-600	Sequence 600, App
487	2.3	246	14	US-10-184-635-600	Sequence 600, App
488	2.3	246	14	US-10-184-637-600	Sequence 600, App
489	2.3	246	14	US-10-184-646-600	Sequence 600, App
490	2.3	246	14	US-10-184-647-600	Sequence 600, App
491	2.3	246	14	US-10-184-652-600	Sequence 600, App
492	2.3	246	14	US-10-187-594-600	Sequence 600, App
493	2.3	246	14	US-10-187-596-600	Sequence 600, App
494	2.3	246	14	US-10-187-745-600	Sequence 600, App
495	2.3	246	14	US-10-187-885-600	Sequence 600, App
496	2.3	246	14	US-10-187-886-600	Sequence 600, App
497	2.3	246	14	US-10-199-464-600	Sequence 436, App
498	2.3	246	14	US-10-199-466-600	Sequence 436, App
499	2.3	246	14	US-10-137-865-436	Sequence 436, App
500	2.3	246	14	US-10-140-474-436	Sequence 600, App
501	2.3	246	14	US-10-196-751-600	Sequence 600, App
502	2.3	246	14	US-10-176-760-600	Sequence 600, App
503	2.3	246	14	US-10-176-990-600	Sequence 600, App
504	2.3	246	14	US-10-180-541-600	Sequence 600, App
505	2.3	246	14	US-10-180-542-600	Sequence 600, App
506	2.3	246	14	US-10-180-548-600	Sequence 600, App
507	2.3	246	14	US-10-180-551-600	Sequence 600, App
508	2.3	246	14	US-10-180-998-600	Sequence 600, App
509	2.3	246	14	US-10-180-999-600	Sequence 600, App
510	2.3	246	14	US-10-183-013-600	Sequence 600, App
511	2.3	246	14	US-10-184-612-600	Sequence 600, App
512	2.3	246	14	US-10-184-616-600	Sequence 600, App
513	2.3	246	14	US-10-184-617-600	Sequence 600, App
514	2.3	246	14	US-10-184-622-600	Sequence 600, App
515	2.3	246	14	US-10-184-628-600	Sequence 600, App
516	2.3	246	14	US-10-184-629-600	Sequence 600, App
517	2.3	246	14	US-10-184-630-600	Sequence 600, App
518	2.3	246	14	US-10-184-631-600	Sequence 600, App
519	2.3	246	14	US-10-184-632-600	Sequence 600, App
520	2.3	246	14	US-10-184-636-600	Sequence 600, App
521	2.3	246	14	US-10-184-640-600	Sequence 600, App
522	2.3	246	14	US-10-184-650-600	Sequence 600, App
523	2.3	246	14	US-10-184-651-600	Sequence 600, App
524	2.3	246	14	US-10-187-588-600	Sequence 600, App
525	2.3	246	14	US-10-187-597-600	Sequence 600, App
526	2.3	246	14	US-10-187-598-600	Sequence 600, App

#					Accession	Sequence	
527	14	246	2.3	r	US-10-187-600-600	Sequence 600,	App
528	14	246	2.3	r	US-10-187-601-600	Sequence 600,	App
529	14	246	2.3	r	US-10-187-603-600	Sequence 600,	App
530	14	246	2.3	r	US-10-187-603-600	Sequence 600,	App
531	14	246	2.3	r	US-10-187-741-600	Sequence 600,	App
532	14	246	2.3	r	US-10-187-743-600	Sequence 600,	App
533	14	246	2.3	r	US-10-187-746-600	Sequence 600,	App
534	14	246	2.3	r	US-10-187-747-600	Sequence 600,	App
535	14	246	2.3	r	US-10-187-751-600	Sequence 600,	App
536	14	246	2.3	r	US-10-187-753-600	Sequence 600,	App
537	14	246	2.3	r	US-10-187-753-600	Sequence 600,	App
538	14	246	2.3	r	US-10-187-754-600	Sequence 600,	App
539	14	246	2.3	r	US-10-187-757-600	Sequence 600,	App
540	14	246	2.3	r	US-10-187-884-600	Sequence 600,	App
541	14	246	2.3	r	US-10-188-767-600	Sequence 600,	App
542	14	246	2.3	r	US-10-188-765-600	Sequence 600,	App
543	14	246	2.3	r	US-10-188-770-600	Sequence 600,	App
544	14	246	2.3	r	US-10-188-777-600	Sequence 600,	App
545	14	246	2.3	r	US-10-188-781-600	Sequence 600,	App
546	14	246	2.3	r	US-10-194-423-600	Sequence 600,	App
547	14	246	2.3	r	US-10-194-361-600	Sequence 600,	App
548	14	246	2.3	r	US-10-195-897-600	Sequence 600,	App
549	14	246	2.3	r	US-10-195-901-600	Sequence 600,	App
550	14	246	2.3	r	US-10-142-431-436	Sequence 436,	App
551	14	246	2.3	r	US-10-143-114-436	Sequence 436,	App
552	14	246	2.3	r	US-10-140-002-436	Sequence 436,	App
553	14	246	2.3	r	US-10-195-902-600	Sequence 600,	App
554	14	246	2.3	r	US-10-196-743-600	Sequence 600,	App
555	14	246	2.3	r	US-10-196-760-600	Sequence 600,	App
556	14	246	2.3	r	US-10-173-708-600	Sequence 600,	App
557	14	246	2.3	r	US-10-176-479-600	Sequence 600,	App
558	14	246	2.3	r	US-10-176-748-600	Sequence 600,	App
559	14	246	2.3	r	US-10-176-916-600	Sequence 600,	App
560	14	246	2.3	r	US-10-179-507-600	Sequence 600,	App
561	14	246	2.3	r	US-10-179-516-600	Sequence 600,	App
562	14	246	2.3	r	US-10-179-519-600	Sequence 600,	App
563	14	246	2.3	r	US-10-179-525-600	Sequence 600,	App
564	14	246	2.3	r	US-10-180-540-600	Sequence 600,	App
565	14	246	2.3	r	US-10-180-545-600	Sequence 600,	App
566	14	246	2.3	r	US-10-183-006-600	Sequence 600,	App
567	14	246	2.3	r	US-10-183-008-600	Sequence 600,	App
568	14	246	2.3	r	US-10-183-017-600	Sequence 600,	App
569	14	246	2.3	r	US-10-183-019-600	Sequence 600,	App
570	14	246	2.3	r	US-10-184-618-600	Sequence 600,	App
571	14	246	2.3	r	US-10-184-625-600	Sequence 600,	App
572	14	246	2.3	r	US-10-184-626-600	Sequence 600,	App
573	14	246	2.3	r	US-10-184-627-600	Sequence 600,	App
574	14	246	2.3	r	US-10-184-645-600	Sequence 600,	App
575	14	246	2.3	r	US-10-184-654-600	Sequence 600,	App
576	14	246	2.3	r	US-10-184-655-600	Sequence 600,	App
577	14	246	2.3	r	US-10-188-774-600	Sequence 600,	App
578	14	246	2.3	r	US-10-188-775-600	Sequence 600,	App
579	14	246	2.3	r	US-10-194-462-600	Sequence 600,	App
580	14	246	2.3	r	US-10-196-745-600	Sequence 600,	App
581	14	246	2.3	r	US-10-196-762-600	Sequence 600,	App
582	14	246	2.3	r	US-10-197-695-600	Sequence 600,	App
583	14	246	2.3	r	US-10-197-894-600	Sequence 338,	App
584	14	246	2.3	r	US-10-006-856A-338	Sequence 600,	App
585	14	246	2.3	r	US-10-176-484-600	Sequence 600,	App
586	14	246	2.3	r	US-10-176-753-600	Sequence 600,	App
587	14	246	2.3	r	US-10-176-917-600	Sequence 600,	App
588	14	246	2.3	r	US-10-176-982-600	Sequence 600,	App
589	14	246	2.3	r	US-10-179-506-600	Sequence 600,	App
590	14	246	2.3	r	US-10-179-513-600	Sequence 600,	App
591	14	246	2.3	r	US-10-179-514-600	Sequence 600,	App
592	14	246	2.3	r	US-10-179-522-600	Sequence 600,	App
593	14	246	2.3	r	US-10-180-556-600	Sequence 600,	App
594	14	246	2.3	r	US-10-180-560-600	Sequence 600,	App
595	14	246	2.3	r	US-10-183-015-600	Sequence 600,	App
596	14	246	2.3	r	US-10-184-615-600	Sequence 600,	App
597	14	246	2.3	r	US-10-184-620-600	Sequence 600,	App
598	14	246	2.3	r	US-10-184-643-600	Sequence 600,	App
599	14	246	2.3	r	US-10-184-656-600	Sequence 600,	App
	14	246	2.3	r	US-10-192-010-600	Sequence 600,	App
600	14	246	2.3	r	US-10-142-419-436	Sequence 436,	App
601	14	246	2.3	r	US-10-205-908-600	Sequence 600,	App
602	14	246	2.3	r	US-10-184-619-600	Sequence 600,	App
603	14	246	2.3	r	US-10-187-599-600	Sequence 600,	App
604	14	246	2.3	r	US-10-187-750-600	Sequence 600,	App
605	14	246	2.3	r	US-10-188-780-600	Sequence 600,	App
606	14	246	2.3	r	US-10-192-015-600	Sequence 600,	App
607	14	246	2.3	r	US-10-194-394-600	Sequence 600,	App
608	14	246	2.3	r	US-10-194-425-600	Sequence 600,	App
609	14	246	2.3	r	US-10-194-485-600	Sequence 600,	App
610	14	246	2.3	r	US-10-195-885-600	Sequence 600,	App
611	14	246	2.3	r	US-10-195-899-600	Sequence 600,	App
612	14	246	2.3	r	US-10-196-748-600	Sequence 600,	App
613	14	246	2.3	r	US-10-196-750-600	Sequence 600,	App
614	14	246	2.3	r	US-10-197-699-600	Sequence 600,	App
615	14	246	2.3	r	US-10-197-700-600	Sequence 600,	App
616	14	246	2.3	r	US-10-197-705-600	Sequence 600,	App
617	14	246	2.3	r	US-10-197-708-600	Sequence 600,	App
618	14	246	2.3	r	US-10-198-764-600	Sequence 600,	App
619	14	246	2.3	r	US-10-198-765-600	Sequence 600,	App
620	14	246	2.3	r	US-10-198-768-600	Sequence 600,	App
621	14	246	2.3	r	US-10-198-769-600	Sequence 600,	App
622	14	246	2.3	r	US-10-199-305-600	Sequence 600,	App
623	14	246	2.3	r	US-10-199-306-600	Sequence 600,	App
624	14	246	2.3	r	US-10-199-310-600	Sequence 600,	App
625	14	246	2.3	r	US-10-199-311-600	Sequence 600,	App
626	14	246	2.3	r	US-10-199-314-600	Sequence 600,	App
627	14	246	2.3	r	US-10-199-317-600	Sequence 600,	App
628	14	246	2.3	r	US-10-199-665-600	Sequence 600,	App
629	14	246	2.3	r	US-10-199-666-600	Sequence 600,	App
630	14	246	2.3	r	US-10-199-669-600	Sequence 600,	App
631	14	246	2.3	r	US-10-201-534-600	Sequence 600,	App
632	14	246	2.3	r	US-10-201-770-600	Sequence 600,	App
633	14	246	2.3	r	US-10-201-855-600	Sequence 600,	App
634	14	246	2.3	r	US-10-201-856-600	Sequence 600,	App
635	14	246	2.3	r	US-10-202-469-600	Sequence 600,	App
636	14	246	2.3	r	US-10-202-470-600	Sequence 600,	App
637	14	246	2.3	r	US-10-202-476-600	Sequence 600,	App
638	14	246	2.3	r	US-10-202-934-600	Sequence 600,	App
639	14	246	2.3	r	US-10-202-935-600	Sequence 600,	App
640	14	246	2.3	r	US-10-202-936-600	Sequence 600,	App
641	14	246	2.3	r	US-10-202-939-600	Sequence 600,	App
642	14	246	2.3	r	US-10-205-504-600	Sequence 600,	App
643	14	246	2.3	r	US-10-205-509-600	Sequence 600,	App
644	14	246	2.3	r	US-10-205-895-600	Sequence 600,	App
645	14	246	2.3	r	US-10-205-899-600	Sequence 600,	App
646	14	246	2.3	r	US-10-205-900-600	Sequence 600,	App
647	14	246	2.3	r	US-10-205-909-600	Sequence 600,	App
648	14	246	2.3	r	US-10-123-262-436	Sequence 436,	App
649	14	246	2.3	r	US-10-142-423-436	Sequence 436,	App
650	14	246	2.3	r	US-10-195-890-600	Sequence 600,	App
651	14	246	2.3	r	US-10-006-818A-338	Sequence 338,	App
652	14	246	2.3	r	US-10-183-002-600	Sequence 600,	App
653	14	246	2.3	r	US-10-184-621-600	Sequence 600,	App
654	14	246	2.3	r	US-10-184-638-600	Sequence 600,	App
655	14	246	2.3	r	US-10-187-752-600	Sequence 600,	App
656	14	246	2.3	r	US-10-187-887-600	Sequence 600,	App
657	14	246	2.3	r	US-10-194-461-600	Sequence 600,	App
658	14	246	2.3	r	US-10-195-892-600	Sequence 600,	App
659	14	246	2.3	r	US-10-196-751-600	Sequence 600,	App
660	14	246	2.3	r	US-10-197-694-600	Sequence 600,	App
661	14	246	2.3	r	US-10-197-697-600	Sequence 600,	App
662	14	246	2.3	r	US-10-197-707-600	Sequence 600,	App
663	14	246	2.3	r	US-10-199-303-600	Sequence 600,	App
664	14	246	2.3	r	US-10-199-318-600	Sequence 600,	App
665	14	246	2.3	r	US-10-199-458-600	Sequence 600,	App
666	14	246	2.3	r	US-10-199-462-600	Sequence 600,	App
667	14	246	2.3	r	US-10-201-324-600	Sequence 600,	App
668	14	246	2.3	r	US-10-201-328-600	Sequence 600,	App
669	14	246	2.3	r	US-10-201-527-600	Sequence 600,	App
670	14	246	2.3	r	US-10-201-528-600	Sequence 600,	App
671	14	246	2.3	r	US-10-201-529-600	Sequence 600,	App
672	14	246	2.3	r	US-10-201-530-600	Sequence 600,	App

No.					Accession	Sequence		
673	7	2.3	246	14	US-10-202-408-600	Sequence	600,	App
674	7	2.3	246	14	US-10-202-409-600	Sequence	600,	App
675	7	2.3	246	14	US-10-202-411-600	Sequence	600,	App
676	7	2.3	246	14	US-10-202-472-600	Sequence	600,	App
677	7	2.3	246	14	US-10-205-502-600	Sequence	600,	App
678	7	2.3	246	14	US-10-205-507-600	Sequence	600,	App
679	7	2.3	246	14	US-10-205-511-600	Sequence	600,	App
680	7	2.3	246	14	US-10-205-902-600	Sequence	600,	App
681	7	2.3	246	14	US-10-205-907-600	Sequence	600,	App
682	7	2.3	246	14	US-10-121-050-436	Sequence	436,	App
683	7	2.3	246	14	US-10-141-755-436	Sequence	436,	App
684	7	2.3	246	14	US-10-194-455-600	Sequence	600,	App
685	7	2.3	246	14	US-10-196-758-600	Sequence	600,	App
686	7	2.3	246	14	US-10-188-770-600	Sequence	600,	App
687	7	2.3	246	14	US-10-199-308-600	Sequence	600,	App
688	7	2.3	246	14	US-10-200-617-600	Sequence	600,	App
689	7	2.3	246	14	US-10-205-893-600	Sequence	600,	App
690	7	2.3	246	14	US-10-205-897-600	Sequence	600,	App
691	7	2.3	246	14	US-10-143-032-436	Sequence	436,	App
692	7	2.3	246	14	US-10-195-754-600	Sequence	600,	App
693	7	2.3	246	14	US-10-174-571-600	Sequence	600,	App
694	7	2.3	246	14	US-10-176-746-600	Sequence	600,	App
695	7	2.3	246	14	US-10-176-922-600	Sequence	600,	App
696	7	2.3	246	14	US-10-183-011-600	Sequence	600,	App
697	7	2.3	246	14	US-10-184-633-600	Sequence	600,	App
698	7	2.3	246	14	US-10-184-639-600	Sequence	600,	App
699	7	2.3	246	14	US-10-187-742-600	Sequence	600,	App
700	7	2.3	246	14	US-10-187-748-600	Sequence	600,	App
701	7	2.3	246	14	US-10-188-766-600	Sequence	600,	App
702	7	2.3	246	14	US-10-188-771-600	Sequence	600,	App
703	7	2.3	246	14	US-10-192-006-600	Sequence	600,	App
704	7	2.3	246	14	US-10-192-008-600	Sequence	600,	App
705	7	2.3	246	14	US-10-192-009-600	Sequence	600,	App
706	7	2.3	246	14	US-10-192-012-600	Sequence	600,	App
707	7	2.3	246	14	US-10-192-014-600	Sequence	600,	App
708	7	2.3	246	14	US-10-192-016-600	Sequence	600,	App
709	7	2.3	246	14	US-10-194-362-600	Sequence	600,	App
710	7	2.3	246	14	US-10-194-364-600	Sequence	600,	App
711	7	2.3	246	14	US-10-194-395-600	Sequence	600,	App
712	7	2.3	246	14	US-10-194-424-600	Sequence	600,	App
713	7	2.3	246	14	US-10-194-458-600	Sequence	600,	App
714	7	2.3	246	14	US-10-194-459-600	Sequence	600,	App
715	7	2.3	246	14	US-10-194-488-600	Sequence	600,	App
716	7	2.3	246	14	US-10-195-886-600	Sequence	600,	App
717	7	2.3	246	14	US-10-195-891-600	Sequence	600,	App
718	7	2.3	246	14	US-10-196-746-600	Sequence	600,	App
719	7	2.3	246	14	US-10-196-752-600	Sequence	600,	App
720	7	2.3	246	14	US-10-196-753-600	Sequence	600,	App
721	7	2.3	246	14	US-10-196-761-600	Sequence	600,	App
722	7	2.3	246	14	US-10-197-692-600	Sequence	600,	App
723	7	2.3	246	14	US-10-197-693-600	Sequence	600,	App
724	7	2.3	246	14	US-10-197-696-600	Sequence	600,	App
725	7	2.3	246	14	US-10-197-698-600	Sequence	600,	App
726	7	2.3	246	14	US-10-197-703-600	Sequence	600,	App
727	7	2.3	246	14	US-10-197-711-600	Sequence	600,	App
728	7	2.3	246	14	US-10-198-757-600	Sequence	600,	App
729	7	2.3	246	14	US-10-198-761-600	Sequence	600,	App
730	7	2.3	246	14	US-10-198-762-600	Sequence	600,	App
731	7	2.3	246	14	US-10-198-763-600	Sequence	600,	App
732	7	2.3	246	14	US-10-198-767-600	Sequence	600,	App
733	7	2.3	246	14	US-10-199-301-600	Sequence	600,	App
734	7	2.3	246	14	US-10-199-307-600	Sequence	600,	App
735	7	2.3	246	14	US-10-199-312-600	Sequence	600,	App
736	7	2.3	246	14	US-10-199-315-600	Sequence	600,	App
737	7	2.3	246	14	US-10-199-316-600	Sequence	600,	App
738	7	2.3	246	14	US-10-199-457-600	Sequence	600,	App
739	7	2.3	246	14	US-10-199-459-600	Sequence	600,	App
740	7	2.3	246	14	US-10-199-460-600	Sequence	600,	App
741	7	2.3	246	14	US-10-199-461-600	Sequence	600,	App
742	7	2.3	246	14	US-10-199-667-600	Sequence	600,	App
743	7	2.3	246	14	US-10-199-673-600	Sequence	600,	App
744	7	2.3	246	14	US-10-201-321-600	Sequence	600,	App
745	7	2.3	246	14	US-10-201-322-600	Sequence	600,	App
746	7	2.3	246	14	US-10-201-326-600	Sequence	600,	App
747	7	2.3	246	14	US-10-201-532-600	Sequence	600,	App
748	7	2.3	246	14	US-10-201-533-600	Sequence	600,	App
749	7	2.3	246	14	US-10-201-535-600	Sequence	600,	App
750	7	2.3	246	14	US-10-201-771-600	Sequence	600,	App
751	7	2.3	246	14	US-10-201-854-600	Sequence	600,	App
752	7	2.3	246	14	US-10-202-410-600	Sequence	600,	App
753	7	2.3	246	14	US-10-202-473-600	Sequence	600,	App
754	7	2.3	246	14	US-10-202-474-600	Sequence	600,	App
755	7	2.3	246	14	US-10-205-503-600	Sequence	600,	App
756	7	2.3	246	14	US-10-205-512-600	Sequence	600,	App
757	7	2.3	246	14	US-10-205-892-600	Sequence	600,	App
758	7	2.3	246	14	US-10-205-894-600	Sequence	600,	App
759	7	2.3	246	14	US-10-205-896-600	Sequence	600,	App
760	7	2.3	246	14	US-10-205-898-600	Sequence	600,	App
761	7	2.3	246	14	US-10-205-901-600	Sequence	600,	App
762	7	2.3	246	14	US-10-205-903-600	Sequence	600,	App
763	7	2.3	246	14	US-10-206-909-600	Sequence	600,	App
764	7	2.3	246	14	US-10-206-910-600	Sequence	600,	App
765	7	2.3	246	14	US-10-206-911-600	Sequence	600,	App
766	7	2.3	246	14	US-10-206-912-600	Sequence	600,	App
767	7	2.3	246	14	US-10-206-913-600	Sequence	600,	App
768	7	2.3	246	14	US-10-206-914-600	Sequence	600,	App
769	7	2.3	246	14	US-10-206-920-600	Sequence	600,	App
770	7	2.3	246	14	US-10-206-921-600	Sequence	600,	App
771	7	2.3	246	14	US-10-206-923-600	Sequence	600,	App
772	7	2.3	246	14	US-10-206-925-600	Sequence	600,	App
773	7	2.3	246	14	US-10-206-926-600	Sequence	600,	App
774	7	2.3	246	14	US-10-206-927-600	Sequence	600,	App
775	7	2.3	246	14	US-10-207-916-600	Sequence	600,	App
776	7	2.3	246	14	US-10-207-917-600	Sequence	600,	App
777	7	2.3	246	14	US-10-207-918-600	Sequence	600,	App
778	7	2.3	246	14	US-10-207-919-600	Sequence	600,	App
779	7	2.3	246	14	US-10-207-920-600	Sequence	600,	App
780	7	2.3	246	14	US-10-207-925-600	Sequence	600,	App
781	7	2.3	246	14	US-10-208-021-600	Sequence	600,	App
782	7	2.3	246	14	US-10-208-022-600	Sequence	600,	App
783	7	2.3	246	14	US-10-208-023-600	Sequence	600,	App
784	7	2.3	246	14	US-10-208-026-600	Sequence	600,	App
785	7	2.3	246	14	US-10-208-029-600	Sequence	600,	App
786	7	2.3	246	14	US-10-208-030-600	Sequence	600,	App
787	7	2.3	246	14	US-10-123-108-436	Sequence	436,	App
788	7	2.3	246	14	US-10-123-236-436	Sequence	436,	App
789	7	2.3	246	14	US-10-123-261-436	Sequence	436,	App
790	7	2.3	246	14	US-10-140-921-436	Sequence	436,	App
791	7	2.3	246	14	US-10-140-928-436	Sequence	436,	App
792	7	2.3	246	14	US-10-015-393A-338	Sequence	338,	App
793	7	2.3	246	14	US-10-232-232-600	Sequence	600,	App
794	7	2.3	246	14	US-10-015-869A-338	Sequence	338,	App
795	7	2.3	246	14	US-10-195-898-600	Sequence	600,	App
796	7	2.3	246	14	US-10-196-759-600	Sequence	600,	App
797	7	2.3	246	14	US-10-173-693-600	Sequence	600,	App
798	7	2.3	246	14	US-10-174-578-600	Sequence	600,	App
799	7	2.3	246	14	US-10-175-741-600	Sequence	600,	App
800	7	2.3	246	14	US-10-175-750-600	Sequence	600,	App
801	7	2.3	246	14	US-10-176-986-600	Sequence	600,	App
802	7	2.3	246	14	US-10-184-641-600	Sequence	600,	App
803	7	2.3	246	14	US-10-187-888-600	Sequence	600,	App
804	7	2.3	246	14	US-10-194-360-600	Sequence	600,	App
805	7	2.3	246	14	US-10-194-365-600	Sequence	600,	App
806	7	2.3	246	14	US-10-195-895-600	Sequence	600,	App
807	7	2.3	246	14	US-10-195-302-600	Sequence	600,	App
808	7	2.3	246	14	US-10-199-323-600	Sequence	600,	App
809	7	2.3	246	14	US-10-201-323-600	Sequence	600,	App
810	7	2.3	246	14	US-10-205-510-600	Sequence	600,	App
811	7	2.3	246	14	US-10-205-891-600	Sequence	600,	App
812	7	2.3	246	14	US-10-206-917-600	Sequence	600,	App
813	7	2.3	246	14	US-10-207-923-600	Sequence	600,	App
814	7	2.3	246	14	US-10-207-924-600	Sequence	600,	App
815	7	2.3	246	14	US-10-208-028-600	Sequence	600,	App
816	7	2.3	246	14	US-10-121-045-436	Sequence	436,	App
817	7	2.3	246	14	US-10-123-292-436	Sequence	436,	App
818	7	2.3	246	14	US-10-123-903-436	Sequence	436,	App

#				Identifier	Sequence	
819	2.3	246	14	US-10-124-819-436	Sequence 436, App	
820	2.3	246	14	US-10-124-822-436	Sequence 436, App	
821	2.3	246	14	US-10-140-925-436	Sequence 436, App	
822	2.3	246	14	US-10-160-498-436	Sequence 436, App	
823	2.3	246	14	US-10-012-121A-338	Sequence 600, App	
824	2.3	246	14	US-10-205-904-600	Sequence 338, App	
825	2.3	246	14	US-10-124-824-436	Sequence 436, App	
826	2.3	246	14	US-10-127-825A-436	Sequence 436, App	
827	2.3	246	14	US-10-127-829A-436	Sequence 436, App	
828	2.3	246	14	US-10-127-835A-436	Sequence 436, App	
829	2.3	246	14	US-10-127-839A-436	Sequence 436, App	
830	2.3	246	14	US-10-127-901A-436	Sequence 436, App	
831	2.3	246	14	US-10-128-693A-436	Sequence 436, App	
832	2.3	246	14	US-10-131-813A-436	Sequence 436, App	
833	2.3	246	14	US-10-131-818A-436	Sequence 436, App	
834	2.3	246	14	US-10-131-823A-436	Sequence 436, App	
835	2.3	246	14	US-10-131-824A-436	Sequence 436, App	
836	2.3	246	14	US-10-131-830A-436	Sequence 436, App	
837	2.3	246	14	US-10-131-837A-436	Sequence 436, App	
838	2.3	246	14	US-10-137-872A-436	Sequence 436, App	
839	2.3	246	14	US-10-147-500-436	Sequence 436, App	
840	2.3	246	14	US-10-147-502-436	Sequence 436, App	
841	2.3	246	14	US-10-147-515-436	Sequence 436, App	
842	2.3	246	14	US-10-147-517-436	Sequence 436, App	
843	2.3	246	14	US-10-147-526-436	Sequence 436, App	
844	2.3	246	14	US-10-147-527-436	Sequence 436, App	
845	2.3	246	14	US-10-175-753-600	Sequence 600, App	
846	2.3	246	14	US-10-180-553-600	Sequence 600, App	
847	2.3	246	14	US-10-201-327-600	Sequence 600, App	
848	2.3	246	14	US-10-201-041-436	Sequence 436, App	
849	2.3	246	14	US-10-121-043-436	Sequence 436, App	
850	2.3	246	14	US-10-121-047-436	Sequence 436, App	
851	2.3	246	14	US-10-121-062-600	Sequence 600, App	
852	2.3	246	14	US-10-123-215-436	Sequence 436, App	
853	2.3	246	14	US-10-123-902-436	Sequence 436, App	
854	2.3	246	14	US-10-123-908-436	Sequence 436, App	
855	2.3	246	14	US-10-123-909-436	Sequence 436, App	
856	2.3	246	14	US-10-123-910-436	Sequence 436, App	
857	2.3	246	14	US-10-124-813-436	Sequence 436, App	
858	2.3	246	14	US-10-124-817-436	Sequence 436, App	
859	2.3	246	14	US-10-125-922-436	Sequence 436, App	
860	2.3	246	14	US-10-125-924-436	Sequence 436, App	
861	2.3	246	14	US-10-140-860-436	Sequence 436, App	
862	2.3	246	14	US-10-142-417-436	Sequence 436, App	
863	2.3	246	14	US-10-147-519-436	Sequence 436, App	
864	2.3	246	14	US-10-147-782-436	Sequence 436, App	
865	2.3	246	14	US-10-152-395-436	Sequence 436, App	
866	2.3	246	14	US-10-006-116A-338	Sequence 338, App	
867	2.3	246	14	US-10-006-117A-338	Sequence 338, App	
868	2.3	246	14	US-10-017-527A-338	Sequence 436, App	
869	2.3	246	14	US-10-125-926A-436	Sequence 436, App	
870	2.3	246	14	US-10-125-930A-436	Sequence 436, App	
871	2.3	246	14	US-10-127-831A-436	Sequence 436, App	
872	2.3	246	14	US-10-127-837A-436	Sequence 436, App	
873	2.3	246	14	US-10-127-838B-436	Sequence 436, App	
874	2.3	246	14	US-10-127-843A-436	Sequence 436, App	
875	2.3	246	14	US-10-127-845A-436	Sequence 436, App	
876	2.3	246	14	US-10-127-846A-436	Sequence 436, App	
877	2.3	246	14	US-10-127-848A-436	Sequence 436, App	
878	2.3	246	14	US-10-127-849A-436	Sequence 436, App	
879	2.3	246	14	US-10-127-850A-436	Sequence 436, App	
880	2.3	246	14	US-10-127-851A-436	Sequence 436, App	
881	2.3	246	14	US-10-128-684A-436	Sequence 436, App	
882	2.3	246	14	US-10-128-686A-436	Sequence 436, App	
883	2.3	246	14	US-10-128-690A-436	Sequence 436, App	
884	2.3	246	14	US-10-128-691A-436	Sequence 436, App	
885	2.3	246	14	US-10-131-819A-436	Sequence 436, App	
886	2.3	246	14	US-10-131-829A-436	Sequence 436, App	
887	2.3	246	14	US-10-131-836A-436	Sequence 436, App	
888	2.3	246	14	US-10-146-729-436	Sequence 436, App	
889	2.3	246	14	US-10-146-791-436	Sequence 436, App	
890	2.3	246	14	US-10-147-484-436	Sequence 436, App	
891	2.3	246	14			
892	2.3	246	14	US-10-147-509-436	Sequence 436, App	
893	2.3	246	14	US-10-147-512-436	Sequence 436, App	
894	2.3	246	14	US-10-175-735-436	Sequence 436, App	
895	2.3	246	14	US-10-183-003-600	Sequence 600, App	
896	2.3	246	14	US-10-183-016-600	Sequence 600, App	
897	2.3	246	14	US-10-121-040-436	Sequence 436, App	
898	2.3	246	14	US-10-121-056-436	Sequence 436, App	
899	2.3	246	14	US-10-121-061-436	Sequence 436, App	
900	2.3	246	14	US-10-123-235-436	Sequence 436, App	
901	2.3	246	14	US-10-124-818-436	Sequence 436, App	
902	2.3	246	14	US-10-137-868-436	Sequence 436, App	
903	2.3	246	14	US-10-147-492-436	Sequence 436, App	
904	2.3	246	14	US-10-158-782-436	Sequence 436, App	
905	2.3	246	14	US-10-173-696-600	Sequence 600, App	
906	2.3	246	14	US-10-013-913A-338	Sequence 338, App	
907	2.3	246	14	US-10-123-905-436	Sequence 436, App	
908	2.3	246	14	US-10-123-507-436	Sequence 436, App	
909	2.3	246	14	US-10-124-815-436	Sequence 436, App	
910	2.3	246	14	US-10-125-921A-436	Sequence 436, App	
911	2.3	246	14	US-10-125-923A-600	Sequence 600, App	
912	2.3	246	14	US-10-125-928A-436	Sequence 436, App	
913	2.3	246	14	US-10-127-821A-436	Sequence 436, App	
914	2.3	246	14	US-10-127-822A-436	Sequence 436, App	
915	2.3	246	14	US-10-127-824A-436	Sequence 436, App	
916	2.3	246	14	US-10-127-826A-436	Sequence 436, App	
917	2.3	246	14	US-10-127-827A-436	Sequence 436, App	
918	2.3	246	14	US-10-127-828A-436	Sequence 436, App	
919	2.3	246	14	US-10-127-830A-436	Sequence 436, App	
920	2.3	246	14	US-10-127-832A-436	Sequence 436, App	
921	2.3	246	14	US-10-127-833A-436	Sequence 436, App	
922	2.3	246	14	US-10-127-834A-436	Sequence 436, App	
923	2.3	246	14	US-10-127-836A-436	Sequence 436, App	
924	2.3	246	14	US-10-127-841A-436	Sequence 436, App	
925	2.3	246	14	US-10-127-844A-436	Sequence 436, App	
926	2.3	246	14	US-10-128-687A-436	Sequence 436, App	
927	2.3	246	14	US-10-128-688A-436	Sequence 436, App	
928	2.3	246	14	US-10-128-689A-436	Sequence 436, App	
929	2.3	246	14	US-10-128-694A-436	Sequence 436, App	
930	2.3	246	14	US-10-131-825A-436	Sequence 436, App	
931	2.3	246	14	US-10-176-491-600	Sequence 600, App	
932	2.3	246	14	US-10-176-979-600	Sequence 600, App	
933	2.3	246	14	US-10-187-592-600	Sequence 600, App	
934	2.3	246	14	US-10-230-417-436	Sequence 436, App	
935	2.3	246	14	US-10-007-194A-338	Sequence 338, App	
936	2.3	246	14	US-10-131-815A-436	Sequence 436, App	
937	2.3	246	14	US-10-131-817A-436	Sequence 436, App	
938	2.3	246	14	US-10-131-821A-436	Sequence 436, App	
939	2.3	246	14	US-10-131-822A-436	Sequence 436, App	
940	2.3	246	14	US-10-131-828A-436	Sequence 436, App	
941	2.3	246	14	US-10-131-835A-436	Sequence 436, App	
942	2.3	246	14	US-10-137-864A-436	Sequence 436, App	
943	2.3	246	14	US-10-137-869A-436	Sequence 436, App	
944	2.3	246	14	US-10-147-523-436	Sequence 436, App	
945	2.3	246	14	US-10-158-785-436	Sequence 436, App	
946	2.3	246	14	US-10-197-691-600	Sequence 600, App	
947	2.3	246	14	US-10-198-771-600	Sequence 600, App	
948	2.3	246	14	US-10-121-051-436	Sequence 436, App	
949	2.3	246	14	US-10-121-042-436	Sequence 436, App	
950	2.3	246	14	US-10-013-430A-338	Sequence 338, App	
951	2.3	246	14	US-10-174-575A-600	Sequence 600, App	
952	2.3	246	14	US-10-179-520-600	Sequence 600, App	
953	2.3	246	14	US-10-202-941-600	Sequence 600, App	
954	2.3	246	14	US-10-205-910-600	Sequence 600, App	
955	2.3	246	14	US-10-121-042-436	Sequence 338, App	
956	2.3	246	14	US-10-011-671A-338	Sequence 338, App	
957	2.3	246	14	US-10-012-755A-338	Sequence 338, App	
958	2.3	246	14	US-10-015-386A-338	Sequence 600, App	
959	2.3	246	14	US-10-179-526-600	Sequence 600, App	
960	2.3	246	14	US-10-123-912-436	Sequence 436, App	
961	2.3	246	14	US-10-123-085-142	Sequence 142, App	
962	2.3	246	14	US-10-173-701-600	Sequence 600, App	
963	2.3	246	14	US-10-179-511-600	Sequence 600, App	
964	2.3	246	14	US-10-179-518-600	Sequence 600, App	

```
965    7  246  2.3  US-10-183-018-600
966    7  246  2.3  US-10-184-624-600
967    7  246  2.3  US-10-184-657-600
968    7  246  2.3  US-10-192-007-436
969    7  246  2.3  US-10-194-359-436
970    7  246  2.3  US-10-197-701-600
971    7  246  2.3  US-10-197-706-600
972    7  246  2.3  US-10-201-857-600
973    7  246  2.3  US-10-202-413-600
974    7  246  2.3  US-10-202-938-600
975    7  246  2.3  US-10-202-940-600
976    7  246  2.3  US-10-205-508-600
977    7  246  2.3  US-10-205-905-600
978    7  246  2.3  US-10-206-918-600
979    7  246  2.3  US-10-208-025-600
980    7  246  2.3  US-10-223-084-142
981    7  246  2.3  US-10-223-088-142
982    7  246  2.3  US-10-223-090-142
983    7  246  2.3  US-10-223-087-142
984    7  246  2.3  US-10-011-692A-338
985    7  246  2.3  US-10-006-768A-338
986    7  246  2.3  US-10-017-610A-338
987    7  246  2.3  US-10-198-760-600
988    7  246  2.3  US-10-201-772-600
989    7  246  2.3  US-10-006-063A-338
990    7  246  2.3  US-10-020-063A-338
991    7  246  2.3  US-10-127-847A-436
992    7  246  2.3  US-10-184-613-600
993    7  246  2.3  US-10-187-739-600
994    7  246  2.3  US-10-206-907-600
995    7  246  2.3  US-10-223-083-142
996    7  246  2.3  US-10-015-391A-338
997    7  246  2.3  US-10-175-590-436
998    7  246  2.3  US-10-183-009-600
999    7  246  2.3  US-10-187-755-600
1000   7  246  2.3  US-10-223-089-142
```

ALIGNMENTS

RESULT 1
US-10-047-021-86
; Sequence 86, Application US/10047021
; Publication No. US20040002591A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 50 Human Secreted Proteins
; FILE REFERENCE: PZ016P2
; CURRENT APPLICATION NUMBER: US/10/047,021
; CURRENT FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: US 60/262,066
; PRIOR FILING DATE: 2001-01-18
; PRIOR APPLICATION NUMBER: US 09/722,329
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: US 09/262,109
; PRIOR FILING DATE: 1999-03-04
; PRIOR APPLICATION NUMBER: PCT/US98/18360
; PRIOR FILING DATE: 1998-09-03
; PRIOR APPLICATION NUMBER: US 60/057,626
; PRIOR FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: US 60/057,663
; PRIOR FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: US 60/057,669
; PRIOR FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: US 60/058,974
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: US 60/058,667
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: US 60/058,973
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: US 60/058,666
; PRIOR FILING DATE: 1997-09-12

```
; Sequence 600, App
; Sequence 600, App
; Sequence 600, App
; Sequence 436, App
; Sequence 436, App
; Sequence 600, App
; Sequence 600, App
; Sequence 600, App
; Sequence 600, App
; Sequence 600, App
; Sequence 600, App
; Sequence 600, App
; Sequence 600, App
; Sequence 600, App
; Sequence 600, App
; Sequence 142, App
; Sequence 142, App
; Sequence 142, App
; Sequence 142, App
; Sequence 338, App
; Sequence 338, App
; Sequence 338, App
; Sequence 600, App
; Sequence 600, App
; Sequence 338, App
; Sequence 338, App
; Sequence 436, App
; Sequence 600, App
; Sequence 600, App
; Sequence 600, App
; Sequence 142, App
; Sequence 338, App
; Sequence 436, App
; Sequence 600, App
; Sequence 600, App
; Sequence 142, App
```

; PRIOR APPLICATION NUMBER: US 60/090,112
; PRIOR FILING DATE: 1998-06-22
; NUMBER OF SEQ ID NOS: 206
; SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 86
; LENGTH: 303
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (203)
; OTHER INFORMATION: Xaa equals any amino acid
; NAME/KEY: SITE
; LOCATION: (267)
; OTHER INFORMATION: Xaa equals any amino acid
; NAME/KEY: SITE
; LOCATION: (274)
; OTHER INFORMATION: Xaa equals any amino acid
US-10-047-021-86

Query Match   99.0%; Score 300; DB 15; Length 303;
Best Local Similarity 100.0%; Pred. No. 1.2e-260;
Matches 303; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy    1  MGSGGDSLLGGRGSLPLLLLLMGGNMAQDSPPQILVHPQDQLFQGPGPARMSCRASGQPP   60
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1  MGSGGDSLLGGRGSLPLLLLLMGGNMAQDSPPQILVHPQDQLFQGPGPARMSCRASGQPP   60

Qy   61  PTIRWLLNGQPLSMVPPDPHHLLPDGTLLLQPPARGHAHDGQALSTDLGVYTCEASNRL  120
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   61  PTIRWLLNGQPLSMVPPDPHHLLPDGTLLLQPPARGHAHDGQALSTDLGVYTCEASNRL  120

Qy  121  GTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKDGKPLAL  180
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  121  GTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKDGKPLAL  180

Qy  181  QPGRHTVSGGSLLMARAEKSDEXTYMCVATNSAGHRESRAARVSIQEPQDYTEPVELLAV  240
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  181  QPGRHTVSGGSLLMARAEKSDEXTYMCVATNSAGHRESRAARVSIQEPQDYTEPVELLAV  240

Qy  241  RIQLENVTLLNPDPAEGXPKPRPAVWLXWKVSGPXRLPNLTRPCSGPRLPREARELRGQRR  300
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  241  RIQLENVTLLNPDPAEGXPKPRPAVWLXWKVSGPXRLPNLTRPCSGPRLPREARELRGQRR  300

Qy  301  NTG  303
         |||
Db  301  NTG  303
```

RESULT 2
US-10-411-224-86
; Sequence 86, Application US/10411224
; Publication No. US20030169906A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 50 Human Secreted Proteins
; FILE REFERENCE: PZ016P1
; CURRENT APPLICATION NUMBER: US/10/411,224
; CURRENT FILING DATE: 2003-04-11
; PRIOR APPLICATION NUMBER: US/09/722,329
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 09/262,109
; PRIOR FILING DATE: 1999-03-04
; PRIOR APPLICATION NUMBER: 60/057,626
; PRIOR FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: 60/057,663
; PRIOR FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: 60/057,669
; PRIOR FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: 60/058,667
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: 60/058,974
; PRIOR FILING DATE: 1997-09-12

```
;   PRIOR APPLICATION NUMBER: 60/058,973
;   PRIOR FILING DATE: 1997-09-12
;   PRIOR APPLICATION NUMBER: 60/058,666
;   PRIOR FILING DATE: 1997-09-12
;   PRIOR APPLICATION NUMBER: 60/090,112
;   PRIOR FILING DATE: 1998-06-22
;   NUMBER OF SEQ ID NOS: 206
;   SOFTWARE: PatentIn Ver. 2.0
;
;   SEQ ID NO 86
;     LENGTH: 304
;     TYPE: PRT
;     ORGANISM: Homo sapiens
;     FEATURE:
;     NAME/KEY: SITE
;     LOCATION: (203)
;     OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
;     FEATURE:
;     NAME/KEY: SITE
;     LOCATION: (267)
;     OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
;     FEATURE:
;     NAME/KEY: SITE
;     LOCATION: (274)
;     OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
;     FEATURE:
;     NAME/KEY: SITE
;     LOCATION: (304)
;     OTHER INFORMATION: Xaa equals stop translation
US-10-411-224-86

Query Match             99.0%;  Score 300;  DB 14;  Length 304;
Best Local Similarity   100.0%;  Pred. No. 1.2e-260;
Matches   303;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy     1  MSGGGDSLLGGRGSLPLLLLLIMGGMAQDSPPQILVHPQDQLFQGPGPARMSCRASGQPP   60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     1  MSGGGDSLLGGRGSLPLLLLLIMGGMAQDSPPQILVHPQDQLFQGPGPARMSCRASGQPP   60

Qy    61  PTIRWLLNGQPLSMVPPDPHHLLPDGTLLLLQPPARGHAHDGQALSTDLGVYTCEASNRL  120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    61  PTIRWLLNGQPLSMVPPDPHHLLPDGTLLLLQPPARGHAHDGQALSTDLGVYTCEASNRL  120

Qy   121  GTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKDGKPLAL  180
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   121  GTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKDGKPLAL  180

Qy   181  QPGRHTVSGGSLLMARAEKSDEXTYMCVATNSAGHRESRAARVSIQEPQDYTEPVELLAV  240
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   181  QPGRHTVSGGSLLMARAEKSDEXTYMCVATNSAGHRESRAARVSIQEPQDYTEPVELLAV  240

Qy   241  RIQLENVTLLNPDPAEGPKPRPAVWLXWKVSGPXRLPNLTRPCSGPRLPREARELRGQRR  300
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   241  RIQLENVTLLNPDPAEGPKPRPAVWLXWKVSGPXRLPNLTRPCSGPRLPREARELRGQRR  300

Qy   301  NTG  303
          |||
Db   301  NTG  303

RESULT 3
US-09-796-753-158
;   Sequence 158, Application US/09796753
;   Publication No. US20030027998A1
;   GENERAL INFORMATION:
;   APPLICANT:  McCarthy, Sean A.
;   TITLE OF INVENTION:  SECRETED PROTEINS AND USES THEREOF
;   FILE REFERENCE:  7853-227-999
;   CURRENT APPLICATION NUMBER: US/09/796,753
;   CURRENT FILING DATE: 2001-03-01
;   PRIOR APPLICATION NUMBER: 09/183,175
;   PRIOR FILING DATE: 1998-10-30
;   PRIOR APPLICATION NUMBER: 09/223,094
;   PRIOR FILING DATE: 1998-12-30
```

```
;   PRIOR APPLICATION NUMBER: 09/223,546
;   PRIOR FILING DATE: 1998-12-30
;   PRIOR APPLICATION NUMBER: 09/224,246
;   PRIOR FILING DATE: 1998-12-30
;   PRIOR APPLICATION NUMBER: 09/259,388
;   PRIOR FILING DATE: 1999-02-26
;   PRIOR APPLICATION NUMBER: 60/122,458
;   PRIOR FILING DATE: 1999-03-01
;   PRIOR APPLICATION NUMBER: 09/312,359
;   PRIOR FILING DATE: 1999-05-14
;   PRIOR APPLICATION NUMBER: 09/336,536
;   PRIOR FILING DATE: 1999-06-18
;   PRIOR APPLICATION NUMBER: 09/342,687
;   PRIOR FILING DATE: 1999-06-29
;   PRIOR APPLICATION NUMBER: 09/345,464
;   PRIOR FILING DATE: 1999-06-30
;   PRIOR APPLICATION NUMBER: 09/365,164
;   PRIOR FILING DATE: 1999-07-30
;   PRIOR APPLICATION NUMBER: 09/399,723
;   PRIOR FILING DATE: 1999-09-20
;   PRIOR APPLICATION NUMBER: 09/409,634
;   PRIOR FILING DATE: 1999-09-30
;   PRIOR APPLICATION NUMBER: 09/471,179
;   PRIOR FILING DATE: 1999-12-23
;   PRIOR APPLICATION NUMBER: 09/474,071
;   PRIOR FILING DATE: 1999-12-29
;   PRIOR APPLICATION NUMBER: 09/474,072
;   PRIOR FILING DATE: 1999-12-29
;   PRIOR APPLICATION NUMBER: 09/514,010
;   PRIOR FILING DATE: 2000-02-25
;   PRIOR APPLICATION NUMBER: 09/516,745
;   PRIOR FILING DATE: 2000-03-01
;   PRIOR APPLICATION NUMBER: 09/572,002
;   PRIOR FILING DATE: 2000-05-14
;   PRIOR APPLICATION NUMBER: 09/597,993
;   PRIOR FILING DATE: 2000-06-19
;   PRIOR APPLICATION NUMBER: 09/599,596
;   PRIOR FILING DATE: 2000-06-22
;   PRIOR APPLICATION NUMBER: 09/630,334
;   PRIOR FILING DATE: 2000-07-31
;   PRIOR APPLICATION NUMBER: 09/606,565
;   PRIOR FILING DATE: 2000-06-29
;   PRIOR APPLICATION NUMBER: 09/606,317
;   PRIOR FILING DATE: 2000-06-29
;   PRIOR APPLICATION NUMBER: 09/665,666
;   PRIOR FILING DATE: 2000-09-20
;   PRIOR APPLICATION NUMBER: 09/677,751
;   PRIOR FILING DATE: 2000-09-30
;   NUMBER OF SEQ ID NOS: 162
;
;   SEQ ID NO 158
;     LENGTH: 480
;     TYPE: PRT
;     ORGANISM: Homo sapiens
US-09-796-753-158

Query Match             48.8%;  Score 148;  DB 10;  Length 480;
Best Local Similarity   100.0%;  Pred. No. 4e-124;
Matches   148;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    55  ASGQPPPTIRWLLNGQPLSMVPPDPHHLLPDGTLLLLQPPARGHAHDGQALSTDLGVYTC  114
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    86  ASGQPPPTIRWLLNGQPLSMVPPDPHHLLPDGTLLLLQPPARGHAHDGQALSTDLGVYTC  145

Qy   115  EASNRLGTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKD  174
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   146  EASNRLGTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKD  205

Qy   175  GKPLALQPGRHTVSGGSLLMARAEKSDE  202
          ||||||||||||||||||||||||||||
Db   206  GKPLALQPGRHTVSGGSLLMARAEKSDE  233

RESULT 4
```

```
US-09-978-295A-211
; Sequence 211, Application US/09978295A
; Patent No. US20020156006A1
; GENERAL INFORMATION:
", APPLICANT: Ashkenazi, Avi
", APPLICANT: Baker Kevin P.
", APPLICANT: Botstein, David
", APPLICANT: Desnoyers, Luc
", APPLICANT: Eaton, Dan
", APPLICANT: Ferrara, Napoleon
", APPLICANT: Filvaroff, Ellen
", APPLICANT: Fong, Sherman
", APPLICANT: Gao, Wei-Qiang
", APPLICANT: Gerber, Hanspeter
", APPLICANT: Gerritsen, Mary E.
", APPLICANT: Goddard, Audrey
", APPLICANT: Godowski, Paul J.
", APPLICANT: Grimaldi, J. Christopher
", APPLICANT: Gurney, Austin L.
", APPLICANT: Hillan, Kenneth J
", APPLICANT: Kljavin, Ivar J.
", APPLICANT: Kuo, Sophia S.
", APPLICANT: Napier, Mary A.
", APPLICANT: Pan, James;
", APPLICANT: Paoni, Nicholas F.
", APPLICANT: Roy, Margaret Ann
", APPLICANT: Shelton, David L.
", APPLICANT: Stewart, Timothy A.
", APPLICANT: Tumas, Daniel
", APPLICANT: Williams, P. Mickey
", APPLICANT: Wood, William I.
", TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
", TITLE OF INVENTION: Acids Encoding the Same
", FILE REFERENCE: P2630P1C11
", CURRENT APPLICATION NUMBER: US/09/978,295A
", CURRENT FILING DATE: 2001-10-15
", PRIOR APPLICATION NUMBER: 09/918585
", PRIOR FILING DATE: 2001-07-30
", PRIOR APPLICATION NUMBER: 60/062250
", PRIOR FILING DATE: 1997-10-17
", PRIOR APPLICATION NUMBER: 60/064249
", PRIOR FILING DATE: 1997-11-03
", PRIOR APPLICATION NUMBER: 60/065311
", PRIOR FILING DATE: 1997-11-13
", PRIOR APPLICATION NUMBER: 60/066364
", PRIOR FILING DATE: 1997-11-21
", PRIOR APPLICATION NUMBER: 60/077450
", PRIOR FILING DATE: 1998-03-10
", PRIOR APPLICATION NUMBER: 60/077632
", PRIOR FILING DATE: 1998-03-11
", PRIOR APPLICATION NUMBER: 60/077641
", PRIOR FILING DATE: 1998-03-11
", PRIOR APPLICATION NUMBER: 60/077649
", PRIOR FILING DATE: 1998-03-11
", PRIOR APPLICATION NUMBER: 60/077791
", PRIOR FILING DATE: 1998-03-12
", PRIOR APPLICATION NUMBER: 60/078004
", PRIOR FILING DATE: 1998-03-13
", PRIOR APPLICATION NUMBER: 60/078886
", PRIOR FILING DATE: 1998-03-20
", PRIOR APPLICATION NUMBER: 60/078936
", PRIOR FILING DATE: 1998-03-20
", PRIOR APPLICATION NUMBER: 60/078910
", PRIOR FILING DATE: 1998-03-20
", PRIOR APPLICATION NUMBER: 60/078939
", PRIOR FILING DATE: 1998-03-20
", PRIOR APPLICATION NUMBER: 60/079294
", PRIOR FILING DATE: 1998-03-25
", PRIOR APPLICATION NUMBER: 60/079656
", PRIOR FILING DATE: 1998-03-26
", PRIOR APPLICATION NUMBER: 60/079664
", PRIOR FILING DATE: 1998-03-27
", PRIOR APPLICATION NUMBER: 60/079689

", PRIOR FILING DATE: 1998-03-27
", PRIOR APPLICATION NUMBER: 60/079663
", PRIOR FILING DATE: 1998-03-27
", PRIOR APPLICATION NUMBER: 60/079728
", PRIOR FILING DATE: 1998-03-27
", PRIOR APPLICATION NUMBER: 60/079786
", PRIOR FILING DATE: 1998-03-27
", PRIOR APPLICATION NUMBER: 60/079920
", PRIOR FILING DATE: 1998-03-30
", PRIOR APPLICATION NUMBER: 60/079923
", PRIOR FILING DATE: 1998-03-30
", PRIOR APPLICATION NUMBER: 60/080105
", PRIOR FILING DATE: 1998-03-31
", PRIOR APPLICATION NUMBER: 60/080107
", PRIOR FILING DATE: 1998-03-31
", PRIOR APPLICATION NUMBER: 60/080165
", PRIOR FILING DATE: 1998-03-31
", PRIOR APPLICATION NUMBER: 60/080194
", PRIOR FILING DATE: 1998-03-31
", PRIOR APPLICATION NUMBER: 60/080327
", PRIOR FILING DATE: 1998-04-01
", PRIOR APPLICATION NUMBER: 60/080328
", PRIOR FILING DATE: 1998-04-01
", PRIOR APPLICATION NUMBER: 60/080333
", PRIOR FILING DATE: 1998-04-01
", PRIOR APPLICATION NUMBER: 60/080334
", PRIOR FILING DATE: 1998-04-01
", PRIOR APPLICATION NUMBER: 60/081070
", PRIOR FILING DATE: 1998-04-08
", PRIOR APPLICATION NUMBER: 60/081049
", PRIOR FILING DATE: 1998-04-08
", PRIOR APPLICATION NUMBER: 60/081071
", PRIOR FILING DATE: 1998-04-08
", PRIOR APPLICATION NUMBER: 60/081195
", PRIOR FILING DATE: 1998-04-08
", PRIOR APPLICATION NUMBER: 60/081203
", PRIOR FILING DATE: 1998-04-09
", PRIOR APPLICATION NUMBER: 60/081229
", PRIOR FILING DATE: 1998-04-09
", PRIOR APPLICATION NUMBER: 60/081955
", PRIOR FILING DATE: 1998-04-15
", PRIOR APPLICATION NUMBER: 60/081817
", PRIOR FILING DATE: 1998-04-15
", PRIOR APPLICATION NUMBER: 60/081819
", PRIOR FILING DATE: 1998-04-15
", PRIOR APPLICATION NUMBER: 60/081952
", PRIOR FILING DATE: 1998-04-15
", PRIOR APPLICATION NUMBER: 60/081838
", PRIOR FILING DATE: 1998-04-15
", PRIOR APPLICATION NUMBER: 60/082568
", PRIOR FILING DATE: 1998-04-21
", PRIOR APPLICATION NUMBER: 60/082569
", PRIOR FILING DATE: 1998-04-21
", PRIOR APPLICATION NUMBER: 60/082704
", PRIOR FILING DATE: 1998-04-22
", PRIOR APPLICATION NUMBER: 60/082804
", PRIOR FILING DATE: 1998-04-22
", PRIOR APPLICATION NUMBER: 60/082700
", PRIOR FILING DATE: 1998-04-22
", PRIOR APPLICATION NUMBER: 60/082797
", PRIOR FILING DATE: 1998-04-22
", PRIOR APPLICATION NUMBER: 60/082796
", PRIOR FILING DATE: 1998-04-23
", PRIOR APPLICATION NUMBER: 60/083336
", PRIOR FILING DATE: 1998-04-27
", PRIOR APPLICATION NUMBER: 60/083322
", PRIOR FILING DATE: 1998-04-28
", PRIOR APPLICATION NUMBER: 60/083392
", PRIOR FILING DATE: 1998-04-29
", PRIOR APPLICATION NUMBER: 60/083495
", PRIOR FILING DATE: 1998-04-29
", PRIOR APPLICATION NUMBER: 60/083496
", PRIOR FILING DATE: 1998-04-29
```

RESULT 5
US-09-978-697-211
; Sequence 211, Application US/09978697
; Patent No. US20020169284A1
; GENERAL INFORMATION:
,, APPLICANT: Ashkenazi, Avi
,, APPLICANT: Baker Kevin P.
,, APPLICANT: Botstein, David
,, APPLICANT: Desnoyers, Luc
,, APPLICANT: Eaton, Dan
,, APPLICANT: Ferrara, Napoleon
,, APPLICANT: Filvaroff, Ellen
,, APPLICANT: Fong, Sherman
,, APPLICANT: Gao, Wei-Qiang
,, APPLICANT: Gerber, Hanspeter
,, APPLICANT: Gerritsen, Mary E.
,, APPLICANT: Goddard, Audrey
,, APPLICANT: Godowski, Paul J.
,, APPLICANT: Grimaldi, J. Christopher
,, APPLICANT: Gurney, Austin L.
,, APPLICANT: Hillan, Kenneth J
,, APPLICANT: Kljavin, Ivar J.
,, APPLICANT: Kuo, Sophia S.
,, APPLICANT: Napier, Mary A.
,, APPLICANT: Pan, James;
,, APPLICANT: Paoni, Nicholas F.
,, APPLICANT: Roy, Margaret Ann
,, APPLICANT: Shelton, David L.
,, APPLICANT: Stewart, Timothy A.
,, APPLICANT: Tumas, Daniel
,, APPLICANT: Williams, P. Mickey
,, APPLICANT: Wood, William I.
,, TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
,, TITLE OF INVENTION: Acids Encoding the Same
,, FILE REFERENCE: P2630P1C27
,, CURRENT APPLICATION NUMBER: US/09/978,697
,, CURRENT FILING DATE: 2001-10-16
,, PRIOR APPLICATION NUMBER: 09/918585
,, PRIOR FILING DATE: 2001-07-30
,, PRIOR APPLICATION NUMBER: 60/062250
,, PRIOR FILING DATE: 1997-10-17
,, PRIOR APPLICATION NUMBER: 60/064249
,, PRIOR FILING DATE: 1997-11-03
,, PRIOR APPLICATION NUMBER: 60/065311
,, PRIOR FILING DATE: 1997-11-13
,, PRIOR APPLICATION NUMBER: 60/066364
,, PRIOR FILING DATE: 1997-11-21
,, PRIOR APPLICATION NUMBER: 60/077450
,, PRIOR FILING DATE: 1998-03-10
,, PRIOR APPLICATION NUMBER: 60/077632
,, PRIOR FILING DATE: 1998-03-11
,, PRIOR APPLICATION NUMBER: 60/077641
,, PRIOR FILING DATE: 1998-03-11
,, PRIOR APPLICATION NUMBER: 60/077649
,, PRIOR FILING DATE: 1998-03-11
,, PRIOR APPLICATION NUMBER: 60/077791
,, PRIOR FILING DATE: 1998-03-12
,, PRIOR APPLICATION NUMBER: 60/078004
,, PRIOR FILING DATE: 1998-03-13
,, PRIOR APPLICATION NUMBER: 60/078886
,, PRIOR FILING DATE: 1998-03-20
,, PRIOR APPLICATION NUMBER: 60/078936
,, PRIOR FILING DATE: 1998-03-20
,, PRIOR APPLICATION NUMBER: 60/078910
,, PRIOR APPLICATION NUMBER:
,, PRIOR FILING DATE: 1998-03-20
,, PRIOR APPLICATION NUMBER: 60/078939
,, PRIOR FILING DATE: 1998-03-20
,, PRIOR APPLICATION NUMBER: 60/079294
,, PRIOR FILING DATE: 1998-03-25
,, PRIOR APPLICATION NUMBER: 60/079656
,, PRIOR FILING DATE: 1998-03-26
,, PRIOR APPLICATION NUMBER: 60/079664
,, PRIOR FILING DATE: 1998-03-27

,, PRIOR APPLICATION NUMBER: 60/083499
,, PRIOR FILING DATE: 1998-04-29
,, PRIOR APPLICATION NUMBER: 60/083545
,, PRIOR FILING DATE: 1998-04-29
,, PRIOR APPLICATION NUMBER: 60/083554
,, PRIOR FILING DATE: 1998-04-29
,, PRIOR APPLICATION NUMBER: 60/083558
,, PRIOR FILING DATE: 1998-04-29
,, PRIOR APPLICATION NUMBER: 60/083559
,, PRIOR FILING DATE: 1998-04-29
,, PRIOR APPLICATION NUMBER: 60/083500
,, PRIOR FILING DATE: 1998-04-29
,, PRIOR APPLICATION NUMBER: 60/083742
,, PRIOR FILING DATE: 1998-04-30
,, PRIOR APPLICATION NUMBER: 60/084366
,, PRIOR FILING DATE: 1998-05-06
,, PRIOR APPLICATION NUMBER: 60/084414
,, PRIOR FILING DATE: 1998-05-07
,, PRIOR APPLICATION NUMBER: 60/084441
,, PRIOR FILING DATE: 1998-05-06
,, PRIOR APPLICATION NUMBER: 60/084637
,, PRIOR FILING DATE: 1998-05-07
,, PRIOR APPLICATION NUMBER: 60/084639
,, PRIOR FILING DATE: 1998-05-07
,, PRIOR APPLICATION NUMBER: 60/084640
,, PRIOR FILING DATE: 1998-05-07
,, PRIOR APPLICATION NUMBER: 60/084598
,, PRIOR FILING DATE: 1998-05-07
,, PRIOR APPLICATION NUMBER: 60/084600
,, PRIOR FILING DATE: 1998-05-07
,, PRIOR APPLICATION NUMBER: 60/084627
,, PRIOR FILING DATE: 1998-05-07
,, PRIOR APPLICATION NUMBER: 60/084643
,, PRIOR FILING DATE: 1998-05-07
,, PRIOR APPLICATION NUMBER: 60/085339
,, PRIOR FILING DATE: 1998-05-13
,, PRIOR APPLICATION NUMBER: 60/085338
,, PRIOR FILING DATE: 1998-05-13
,, PRIOR APPLICATION NUMBER: 60/085323
,, PRIOR FILING DATE: 1998-05-13
,, PRIOR APPLICATION NUMBER: 60/085582
,, PRIOR FILING DATE: 1998-05-15
,, PRIOR APPLICATION NUMBER: 60/085700
,, PRIOR FILING DATE: 1998-05-15
,, PRIOR APPLICATION NUMBER: 60/085689
,, PRIOR FILING DATE: 1998-05-15
,, PRIOR APPLICATION NUMBER: 60/085579
,, PRIOR FILING DATE: 1998-05-15
,, PRIOR APPLICATION NUMBER: 60/085580
,, PRIOR FILING DATE: 1998-05-15
,, PRIOR APPLICATION NUMBER: 60/085573
,, PRIOR FILING DATE: 1998-05-15
,, PRIOR APPLICATION NUMBER: 60/085704
,, PRIOR FILING DATE: 1998-05-15
,, PRIOR APPLICATION NUMBER: 60/085697

Query Match   48.8%; Score 148; DB 9; Length 985;
Best Local Similarity 100.0%; Pred. No. 7.4e-124;
Matches 148; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

Qy   55 ASGQPPPTIRWLLNGQPLSMVPPDPHHLLPDGTILLLQPPARGHAHDGQALSTDLGVYTC 114
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   33 ASGQPPPTIRWLLNGQPLSMVPPDPHHLLPDGTILLLQPPARGHAHDGQALSTDLGVYTC 92

Qy   115 EASNRLGTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKD 174
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   93 EASNRLGTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKD 152

Qy   175 GKPLALQPGRHTVSGGSLLMARAEKSDE 202
          ||||||||||||||||||||||||||||
Db   153 GKPLALQPGRHTVSGGSLLMARAEKSDE 180

PRIOR APPLICATION NUMBER: 60/079689
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079786
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079920
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/079923
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/080105
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080107
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080194
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080327
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080328
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080333
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080334
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/081070
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081049
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081071
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081195
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081955
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081819
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081952
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081838
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082568
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082569
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082704
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082804
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082700
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082797
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082796
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/083336
PRIOR FILING DATE: 1998-04-23
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-27
PRIOR APPLICATION NUMBER: 60/083392
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083495
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083496
PRIOR FILING DATE: 1998-04-29

PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083499
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083554
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083558
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083559
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083500
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083742
PRIOR FILING DATE: 1998-04-30
PRIOR APPLICATION NUMBER: 60/084366
PRIOR FILING DATE: 1998-05-05
PRIOR APPLICATION NUMBER: 60/084414
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084441
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084639
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084640
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084598
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-5-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084643
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085323
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085582
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085700
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085689
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085580
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

```
Query Match         48.8%;  Score 148;  DB 9;  Length 985;
Best Local Similarity  100.0%;  Pred. No. 7.4e-124;
Matches 148;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;

Qy      55 ASGQPPTIRWLLNGQPLSMVPPDPHHLLPDGTLLLLQPPARGHAHDGQALSTDLGVYTC 114
           |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      33 ASGQPPTIRWLLNGQPLSMVPPDPHHLLPDGTLLLLQPPARGHAHDGQALSTDLGVYTC  92

Qy     115 EASNRLGTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKD 174
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      93 EASNRLGTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKD 152

Qy     175 GKPLALQPGRHTVSGGSLLMARAEKSDE 202
           |||||||||||||||||||||||||||
Db     153 GKPLALQPGRHTVSGGSLLMARAEKSDE 180
```

RESULT 6
US-09-978-192A-211
; Sequence 211, Application US/09978192A
; Patent No. US20020177553A1
; GENERAL INFORMATION:
" APPLICANT: Ashkenazi, Avi
" APPLICANT: Baker Kevin P.
" APPLICANT: Botstein, David
" APPLICANT: Desnoyers, Luc
" APPLICANT: Eaton, Dan
" APPLICANT: Ferrara, Napoleon
" APPLICANT: Filvaroff, Ellen
" APPLICANT: Fong, Sherman
" APPLICANT: Gao, Wei-Qiang
" APPLICANT: Gerber, Hanspeter
" APPLICANT: Gerritsen, Mary E.
" APPLICANT: Goddard, Audrey
" APPLICANT: Godowski, Paul J.
" APPLICANT: Grimaldi, J. Christopher
" APPLICANT: Gurney, Austin L.
" APPLICANT: Hillan, Kenneth J
" APPLICANT: Kljavin, Ivar J.
" APPLICANT: Kuo, Sophia S.
" APPLICANT: Napier, Mary A.
" APPLICANT: Pan, James;
" APPLICANT: Paoni, Nicholas F.
" APPLICANT: Roy, Margaret Ann
" APPLICANT: Shelton, David L.
" APPLICANT: Stewart, Timothy A.
" APPLICANT: Tumas, Daniel
" APPLICANT: Williams, P. Mickey
" APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C9
CURRENT APPLICATION NUMBER: US/09/978,192A
CURRENT FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078004
PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/078886
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078936
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078939
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079664

PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079689
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079786
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079920
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/079923
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/080105
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080107
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080194
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080327
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080328
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080334
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080333
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/081070
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081049
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081071
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081195
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081955
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081819
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081952
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081838
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082568
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082569
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082704
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082804
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082797
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082700
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082796
PRIOR FILING DATE: 1998-04-23
PRIOR APPLICATION NUMBER: 60/083336
PRIOR FILING DATE: 1998-04-27
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083392
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083495
PRIOR FILING DATE: 1998-04-29

```
; PRIOR APPLICATION NUMBER: 60/083496
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083499
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083545
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083554
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083558
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083559
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083500
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083742
; PRIOR FILING DATE: 1998-04-30
; PRIOR APPLICATION NUMBER: 60/084366
; PRIOR FILING DATE: 1998-05-05
; PRIOR APPLICATION NUMBER: 60/084414
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084441
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084637
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084639
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084640
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084598
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084627
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085339
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085338
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085689
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697
```

```
RESULT 7
US-09-999-832A-211
; Sequence 211, Application US/09999832A
; Publication No. US20020192706A1
; GENERAL INFORMATION:
;  APPLICANT: Ashkenazi, Avi
;  APPLICANT: Baker Kevin P.
;  APPLICANT: Botstein, David
;  APPLICANT: Desnoyers, Luc
;  APPLICANT: Eaton, Dan
;  APPLICANT: Ferrara, Napoleon
;  APPLICANT: Filvaroff, Ellen
;  APPLICANT: Fong, Sherman
;  APPLICANT: Gao, Wei-Qiang
;  APPLICANT: Gerber, Hanspeter
;  APPLICANT: Gerritsen, Mary E.
;  APPLICANT: Goddard, Audrey
;  APPLICANT: Godowski, Paul J.
;  APPLICANT: Grimaldi, J. Christopher
;  APPLICANT: Gurney, Austin L.
;  APPLICANT: Hillan, Kenneth J
;  APPLICANT: Kljavin, Ivar J.
;  APPLICANT: Kuo, Sophia S.
;  APPLICANT: Napier, Mary A.
;  APPLICANT: Pan, James;
;  APPLICANT: Paoni, Nicholas F.
;  APPLICANT: Roy, Margaret Ann
;  APPLICANT: Shelton, David L.
;  APPLICANT: Stewart, Timothy A.
;  APPLICANT: Tumas, Daniel
;  APPLICANT: Williams, P. Mickey
;  APPLICANT: Wood, William I.
;  TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;  TITLE OF INVENTION: Acids Encoding the Same
;  FILE REFERENCE: P2630P1C63
;  CURRENT APPLICATION NUMBER: US/09/999,832A
;  CURRENT FILING DATE:  2001-10-24
;  PRIOR APPLICATION NUMBER: 09/918585
;  PRIOR FILING DATE: 2001-07-30
;  PRIOR APPLICATION NUMBER: 60/062250
;  PRIOR FILING DATE: 1997-10-17
;  PRIOR APPLICATION NUMBER: 60/064249
;  PRIOR FILING DATE: 1997-11-03
;  PRIOR APPLICATION NUMBER: 60/065311
;  PRIOR FILING DATE: 1997-11-13
;  PRIOR APPLICATION NUMBER: 60/066364
;  PRIOR FILING DATE: 1997-11-21
;  PRIOR APPLICATION NUMBER: 60/077450
;  PRIOR FILING DATE: 1998-03-10
;  PRIOR APPLICATION NUMBER: 60/077632
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077641
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077649
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: 60/077791
;  PRIOR FILING DATE: 1998-03-12
;  PRIOR APPLICATION NUMBER: 60/078004
;  PRIOR FILING DATE: 1998-03-13
;  PRIOR APPLICATION NUMBER: 60/078886
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/078936
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/078910
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/078939
;  PRIOR FILING DATE: 1998-03-20
;  PRIOR APPLICATION NUMBER: 60/079294
;  PRIOR FILING DATE: 1998-03-25
;  PRIOR APPLICATION NUMBER: 60/079656
;  PRIOR FILING DATE: 1998-03-26
```

```
Query Match             48.8%;  Score 148;  DB 9;  Length 985;
Best Local Similarity   100.0%;  Pred. No. 7.4e-124;
Matches  148;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy    55 ASGQPPPTIRWLLNGQPLSMVPPDPHHLLPDGTLLLLQPPARGHAHDGQALSTDLGVYTC 114
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    33 ASGQPPPTIRWLLNGQPLSMVPPDPHHLLPDGTLLLLQPPARGHAHDGQALSTDLGVYTC 92

Qy   115 EASNRLGTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKD 174
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    93 EASNRLGTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKD 152

Qy   175 GKPLALQPGRHTVSGGSLLMARAEKSDE 202
         ||||||||||||||||||||||||||||
Db   153 GKPLALQPGRHTVSGGSLLMARAEKSDE 180
```

PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083496
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083499
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083554
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083558
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083559
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083500
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083742
PRIOR FILING DATE: 1998-04-30
PRIOR APPLICATION NUMBER: 60/084366
PRIOR FILING DATE: 1998-05-05
PRIOR APPLICATION NUMBER: 60/084414
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084441
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084639
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084640
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084598
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084643
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085323
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085582
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085700
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085689
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085580
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

Query Match   48.8%; Score 148; DB 9; Length 985;
Best Local Similarity   100.0%; Pred. No. 7.4e-124;
Matches 148; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

```
Qy   55  ASGQPPTIRWLLNGQPLSMVPPDPHHLLPDGTLLLLQPPARGHAHDGQALSTDLGVYTC 114
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   33  ASGQPPTIRWLLNGQPLSMVPPDPHHLLPDGTLLLLQPPARGHAHDGQALSTDLGVYTC 92

Qy  115  EASNRLGTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKD 174
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   93  EASNRLGTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKD 152

Qy  175  GKPLALQPGRHTVSGGSLLMARAEKSDE 202
             ||||||||||||||||||||||||||||
```

PRIOR APPLICATION NUMBER: 60/079664
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079689
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079786
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079920
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/079923
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/080105
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080107
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080194
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080327
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080328
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080333
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080334
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/081070
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081049
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081071
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081195
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081955
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081819
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081952
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081838
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082568
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082569
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082704
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082804
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082700
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082797
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082796
PRIOR FILING DATE: 1998-04-23
PRIOR APPLICATION NUMBER: 60/083336
PRIOR FILING DATE: 1998-04-27
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083392
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083495

Db   153 GKPLALQPGRHTVSGGSLLMARAEKSDE 180

RESULT 8
US-09-978-189-211
; Sequence 211, Application US/09978189
; Publication No. US20030004102A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James;
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C7
CURRENT APPLICATION NUMBER: US/09/978,189
CURRENT FILING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/078004
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078886
PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/078936
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078939
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25

PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079664
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079689
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079786
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079920
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/079923
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/080105
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080107
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080194
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080327
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080328
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080333
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080334
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/081070
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081049
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081071
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081195
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081955
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081819
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081952
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081838
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082568
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082569
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082704
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082804
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082700
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082797
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082796
PRIOR FILING DATE: 1998-04-23
PRIOR APPLICATION NUMBER: 60/083336
PRIOR FILING DATE: 1998-04-27
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083392

PRIOR APPLICATION NUMBER: 60/083495
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083496
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083499
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083554
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083558
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083559
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083500
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083742
PRIOR FILING DATE: 1998-04-30
PRIOR APPLICATION NUMBER: 60/084366
PRIOR FILING DATE: 1998-05-05
PRIOR APPLICATION NUMBER: 60/084414
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084441
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084639
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084640
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084598
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-5-07
PRIOR APPLICATION NUMBER: 60/084643
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085323
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085582
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085700
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085689
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085580
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697
PRIOR FILING DATE: 1998-05-15

Query Match   48.8%;   Score 148; DB 10; Length 985;
Best Local Similarity 100.0%;   Pred. No. 7.4e-124;
Matches 148; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

Qy   55 ASGQPPPTIRWLLNGQPLSMVPPDPHHLLPDGTLLLLQPPARGHAHDGQALSTDLGVYTC 114
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   33 ASGQPPPTIRWLLNGQPLSMVPPDPHHLLPDGTLLLLQPPARGHAHDGQALSTDLGVYTC 92

Qy   115 EASNRLGTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKD 174
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   93 EASNRLGTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKD 152

Qy   175 GKPLALQPGRHTVSGGSLLMARAEKSDE 202

Db   153 GKPLALQPGRHTVSGGSLLMARAEKSDE 180

RESULT 9
US-09-978-608A-211
; Sequence 211, Application US/09978608A
; Publication No. US2003004562A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C22
; CURRENT APPLICATION NUMBER: US/09/978,608A
; CURRENT FILING DATE: 2001-10-16
; NUMBER OF SEQ ID NOS: 624
; Prior Application removed - See File Wrapper or Palm
; SEQ ID NO 211
; LENGTH: 985
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-978-608A-211

Query Match   48.8%;   Score 148; DB 10; Length 985;
Best Local Similarity 100.0%; Pred. No. 7.4e-124;
Matches 148; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

Qy   55 ASGQPPPTIRWLLNGQPLSMVPPDPHHLLPDGTLLLLQPPARGHAHDGQALSTDLGVYTC 114
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   33 ASGQPPPTIRWLLNGQPLSMVPPDPHHLLPDGTLLLLQPPARGHAHDGQALSTDLGVYTC 92

Qy   115 EASNRLGTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKD 174
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   93 EASNRLGTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKD 152

Qy   175 GKPLALQPGRHTVSGGSLLMARAEKSDE 202
         ||||||||||||||||||||||||||||
Db   153 GKPLALQPGRHTVSGGSLLMARAEKSDE 180

RESULT 10
US-09-978-585A-211
; Sequence 211, Application US/09978585A
; Publication No. US2003004963A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.

```
;   APPLICANT:  Botstein, David                             ;   APPLICANT:  Grimaldi, J. Christopher
;   APPLICANT:  Desnoyers, Luc                              ;   APPLICANT:  Gurney, Austin L.
;   APPLICANT:  Eaton, Dan                                  ;   APPLICANT:  Hillar, Kenneth J
;   APPLICANT:  Ferrara, Napoleon                           ;   APPLICANT:  Kljavin, Ivar J.
;   APPLICANT:  Filvaroff, Ellen                            ;   APPLICANT:  Kuo, Sophia S.
;   APPLICANT:  Fong, Sherman                               ;   APPLICANT:  Napier, Mary A.
;   APPLICANT:  Gao, Wei-Qiang                              ;   APPLICANT:  Pan, James;
;   APPLICANT:  Gerber, Hanspeter                           ;   APPLICANT:  Paoni, Nicholas F.
;   APPLICANT:  Gerritsen, Mary E.                          ;   APPLICANT:  Roy, Margaret Ann
;   APPLICANT:  Goddard, Audrey                             ;   APPLICANT:  Shelton, David L.
;   APPLICANT:  Godowski, Paul J.                           ;   APPLICANT:  Stewart, Timothy A.
;   APPLICANT:  Grimaldi, J. Christopher                    ;   APPLICANT:  Tumas, Daniel
;   APPLICANT:  Gurney, Austin L.                           ;   APPLICANT:  Williams, P. Mickey
;   APPLICANT:  Hillan, Kenneth J                           ;   APPLICANT:  Wood, William I.
;   APPLICANT:  Kljavin, Ivar J.                            ;   TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;   APPLICANT:  Kuo, Sophia S.                              ;   TITLE OF INVENTION: Acids Encoding the Same
;   APPLICANT:  Napier, Mary A.                             ;   FILE REFERENCE: P2630P1C4
;   APPLICANT:  Pan, James;                                 ;   CURRENT APPLICATION NUMBER: US/09/978,191A
;   APPLICANT:  Paoni, Nicholas F.                          ;   CURRENT FILING DATE:  2001-10-15
;   APPLICANT:  Roy, Margaret Ann                           ;   PRIOR APPLICATION NUMBER: 09/918585
;   APPLICANT:  Shelton, David L.                           ;   PRIOR FILING DATE: 2001-07-30
;   APPLICANT:  Stewart, Timothy A.                         ;   PRIOR APPLICATION NUMBER: 60/062250
;   APPLICANT:  Tumas, Daniel                               ;   PRIOR FILING DATE: 1997-10-17
;   APPLICANT:  Williams, P. Mickey                         ;   PRIOR APPLICATION NUMBER: 60/064249
;   APPLICANT:  Wood, William I.                            ;   PRIOR FILING DATE: 1997-11-03
;   TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic ;   PRIOR APPLICATION NUMBER: 60/065311
;   TITLE OF INVENTION: Acids Encoding the Same             ;   PRIOR FILING DATE: 1997-11-13
;   FILE REFERENCE: P2630P1C1S                              ;   PRIOR APPLICATION NUMBER: 60/066364
;   CURRENT APPLICATION NUMBER: US/09/978,585A             ;   PRIOR FILING DATE: 1997-11-21
;   CURRENT FILING DATE:  2001-10-16                        ;   PRIOR APPLICATION NUMBER: 60/077450
;   NUMBER OF SEQ ID NOS: 624                               ;   PRIOR FILING DATE: 1998-03-10
;   Prior Application removed - See File Wrapper or Palm    ;   PRIOR APPLICATION NUMBER: 60/077632
;   SEQ ID NO 211                                           ;   PRIOR FILING DATE: 1998-03-11
;     LENGTH: 985                                           ;   PRIOR APPLICATION NUMBER: 60/077641
;     TYPE: PRT                                             ;   PRIOR FILING DATE: 1998-03-11
;     ORGANISM: Homo sapiens                                ;   PRIOR APPLICATION NUMBER: 60/077649
US-09-978-585A-211                                         ;   PRIOR FILING DATE: 1998-03-11
                                                            ;   PRIOR APPLICATION NUMBER: 60/077791
Query Match       48.8%;   Score 148;  DB 10;  Length 985; ;   PRIOR FILING DATE: 1998-03-12
Best Local Similarity   100.0%;  Pred. No. 7.4e-124;       ;   PRIOR APPLICATION NUMBER: 60/078004
Matches  148;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps   0;  ;   PRIOR FILING DATE: 1998-03-13
                                                            ;   PRIOR APPLICATION NUMBER: 60/078886
Qy    55 ASGQPPPTIRWLLNGQPLSMVPPDPHHLLPDGTLLLLQPPARGHAHDGQALSTDLGVYTC 114  ;   PRIOR FILING DATE: 1998-03-20
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||      ;   PRIOR APPLICATION NUMBER: 60/078936
Db    33 ASGQPPPTIRWLLNGQPLSMVPPDPHHLLPDGTLLLLQPPARGHAHDGQALSTDLGVYTC 92   ;   PRIOR FILING DATE: 1998-03-27
                                                            ;   PRIOR APPLICATION NUMBER: 60/078910
Qy   115 EASNRLGTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKD 174  ;   PRIOR FILING DATE: 1998-03-20
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||      ;   PRIOR APPLICATION NUMBER: 60/078939
Db    93 EASNRLGTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKD 152  ;   PRIOR FILING DATE: 1998-03-20
                                                            ;   PRIOR APPLICATION NUMBER: 60/079294
Qy   175 GKPLALQPGRHTVSGGSLLMARAEKSDE 202                   ;   PRIOR FILING DATE: 1998-03-25
         ||||||||||||||||||||||||||||                       ;   PRIOR APPLICATION NUMBER: 60/079656
Db   153 GKPLALQPGRHTVSGGSLLMARAEKSDE 180                   ;   PRIOR FILING DATE: 1998-03-26
                                                            ;   PRIOR APPLICATION NUMBER: 60/079664
                                                            ;   PRIOR FILING DATE: 1998-03-27
RESULT 11                                                   ;   PRIOR APPLICATION NUMBER: 60/079689
US-09-978-191A-211                                         ;   PRIOR FILING DATE: 1998-03-27
; Sequence 211, Application US/09978191A                    ;   PRIOR APPLICATION NUMBER: 60/079663
; Publication No. US20030050239A1                           ;   PRIOR FILING DATE: 1998-03-27
; GENERAL INFORMATION:                                      ;   PRIOR APPLICATION NUMBER: 60/079728
;   APPLICANT:  Ashkenazi, Avi                              ;   PRIOR FILING DATE: 1998-03-27
;   APPLICANT:  Baker Kevin P.                              ;   PRIOR APPLICATION NUMBER: 60/079786
;   APPLICANT:  Botstein, David                             ;   PRIOR FILING DATE: 1998-03-27
;   APPLICANT:  Desnoyers, Luc                              ;   PRIOR APPLICATION NUMBER: 60/079920
;   APPLICANT:  Eaton, Dan                                  ;   PRIOR FILING DATE: 1998-03-27
;   APPLICANT:  Ferrara, Napoleon                           ;   PRIOR APPLICATION NUMBER: 60/079923
;   APPLICANT:  Filvaroff, Ellen                            ;   PRIOR FILING DATE: 1998-03-30
;   APPLICANT:  Fong, Sherman                               ;   PRIOR APPLICATION NUMBER: 60/080105
;   APPLICANT:  Gao, Wei-Qiang                              ;   PRIOR FILING DATE: 1998-03-31
;   APPLICANT:  Gerber, Hanspeter                           ;   PRIOR APPLICATION NUMBER: 60/080107
;   APPLICANT:  Gerritsen, Mary E.                          ;   PRIOR FILING DATE: 1998-03-31
;   APPLICANT:  Goddard, Audrey                             ;   PRIOR APPLICATION NUMBER: 60/080165
;   APPLICANT:  Godowski, Paul J.                           ;   PRIOR FILING DATE: 1998-03-31
```

```
,,; PRIOR APPLICATION NUMBER: 60/080194
,,; PRIOR FILING DATE: 1998-03-31
,,; PRIOR APPLICATION NUMBER: 60/080327
,,; PRIOR FILING DATE: 1998-04-01
,,; PRIOR APPLICATION NUMBER: 60/080328
,,; PRIOR FILING DATE: 1998-04-01
,,; PRIOR APPLICATION NUMBER: 60/080333
,,; PRIOR FILING DATE: 1998-04-01
,,; PRIOR APPLICATION NUMBER: 60/080334
,,; PRIOR FILING DATE: 1998-04-01
,,; PRIOR APPLICATION NUMBER: 60/081070
,,; PRIOR FILING DATE: 1998-04-08
,,; PRIOR APPLICATION NUMBER: 60/081049
,,; PRIOR FILING DATE: 1998-04-08
,,; PRIOR APPLICATION NUMBER: 60/081071
,,; PRIOR FILING DATE: 1998-04-08
,,; PRIOR APPLICATION NUMBER: 60/081195
,,; PRIOR FILING DATE: 1998-04-08
,,; PRIOR APPLICATION NUMBER: 60/081203
,,; PRIOR FILING DATE: 1998-04-08
,,; PRIOR APPLICATION NUMBER: 60/081229
,,; PRIOR FILING DATE: 1998-04-09
,,; PRIOR APPLICATION NUMBER: 60/081955
,,; PRIOR FILING DATE: 1998-04-15
,,; PRIOR APPLICATION NUMBER: 60/081817
,,; PRIOR FILING DATE: 1998-04-15
,,; PRIOR APPLICATION NUMBER: 60/081819
,,; PRIOR FILING DATE: 1998-04-15
,,; PRIOR APPLICATION NUMBER: 60/081952
,,; PRIOR FILING DATE: 1998-04-15
,,; PRIOR APPLICATION NUMBER: 60/081838
,,; PRIOR FILING DATE: 1998-04-15
,,; PRIOR APPLICATION NUMBER: 60/082568
,,; PRIOR FILING DATE: 1998-04-21
,,; PRIOR APPLICATION NUMBER: 60/082569
,,; PRIOR FILING DATE: 1998-04-21
,,; PRIOR APPLICATION NUMBER: 60/082704
,,; PRIOR FILING DATE: 1998-04-22
,,; PRIOR APPLICATION NUMBER: 60/082804
,,; PRIOR FILING DATE: 1998-04-22
,,; PRIOR APPLICATION NUMBER: 60/082700
,,; PRIOR FILING DATE: 1998-04-22
,,; PRIOR APPLICATION NUMBER: 60/082797
,,; PRIOR FILING DATE: 1998-04-22
,,; PRIOR APPLICATION NUMBER: 60/082796
,,; PRIOR FILING DATE: 1998-04-23
,,; PRIOR APPLICATION NUMBER: 60/083336
,,; PRIOR FILING DATE: 1998-04-27
,,; PRIOR APPLICATION NUMBER: 60/083322
,,; PRIOR FILING DATE: 1998-04-28
,,; PRIOR APPLICATION NUMBER: 60/083392
,,; PRIOR FILING DATE: 1998-04-29
,,; PRIOR APPLICATION NUMBER: 60/083495
,,; PRIOR FILING DATE: 1998-04-29
,,; PRIOR APPLICATION NUMBER: 60/083496
,,; PRIOR FILING DATE: 1998-04-29
,,; PRIOR APPLICATION NUMBER: 60/083499
,,; PRIOR FILING DATE: 1998-04-29
,,; PRIOR APPLICATION NUMBER: 60/083545
,,; PRIOR FILING DATE: 1998-04-29
,,; PRIOR APPLICATION NUMBER: 60/083554
,,; PRIOR FILING DATE: 1998-04-29
,,; PRIOR APPLICATION NUMBER: 60/083558
,,; PRIOR FILING DATE: 1998-04-29
,,; PRIOR APPLICATION NUMBER: 60/083559
,,; PRIOR FILING DATE: 1998-04-29
,,; PRIOR APPLICATION NUMBER: 60/083500
,,; PRIOR FILING DATE: 1998-04-29
,,; PRIOR APPLICATION NUMBER: 60/083742
,,; PRIOR FILING DATE: 1998-04-30
,,; PRIOR APPLICATION NUMBER: 60/084366
,,; PRIOR FILING DATE: 1998-05-05
,,; PRIOR APPLICATION NUMBER: 60/084414

,,; PRIOR FILING DATE: 1998-05-06
,,; PRIOR APPLICATION NUMBER: 60/084441
,,; PRIOR FILING DATE: 1998-05-06
,,; PRIOR APPLICATION NUMBER: 60/084637
,,; PRIOR FILING DATE: 1998-05-07
,,; PRIOR APPLICATION NUMBER: 60/084639
,,; PRIOR FILING DATE: 1998-05-07
,,; PRIOR APPLICATION NUMBER: 60/084640
,,; PRIOR FILING DATE: 1998-05-07
,,; PRIOR APPLICATION NUMBER: 60/084598
,,; PRIOR FILING DATE: 1998-05-07
,,; PRIOR APPLICATION NUMBER: 60/084600
,,; PRIOR FILING DATE: 1998-05-07
,,; PRIOR APPLICATION NUMBER: 60/084627
,,; PRIOR FILING DATE: 1998-05-07
,,; PRIOR APPLICATION NUMBER: 60/084643
,,; PRIOR FILING DATE: 1998-05-07
,,; PRIOR APPLICATION NUMBER: 60/085339
,,; PRIOR FILING DATE: 1998-05-13
,,; PRIOR APPLICATION NUMBER: 60/085338
,,; PRIOR FILING DATE: 1998-05-13
,,; PRIOR APPLICATION NUMBER: 60/085323
,,; PRIOR FILING DATE: 1998-05-13
,,; PRIOR APPLICATION NUMBER: 60/085582
,,; PRIOR FILING DATE: 1998-05-15
,,; PRIOR APPLICATION NUMBER: 60/085700
,,; PRIOR FILING DATE: 1998-05-15
,,; PRIOR APPLICATION NUMBER: 60/085689
,,; PRIOR FILING DATE: 1998-05-15
,,; PRIOR APPLICATION NUMBER: 60/085579
,,; PRIOR FILING DATE: 1998-05-15
,,; PRIOR APPLICATION NUMBER: 60/085580
,,; PRIOR FILING DATE: 1998-05-15
,,; PRIOR APPLICATION NUMBER: 60/085573
,,; PRIOR FILING DATE: 1998-05-15
,,; PRIOR APPLICATION NUMBER: 60/085704
,,; PRIOR FILING DATE: 1998-05-15
,,; PRIOR APPLICATION NUMBER: 60/085697
```

```
Query Match         48.8%;  Score 148;  DB 10;  Length 985;
Best Local Similarity   100.0%;  Pred. No. 7.4e-124;
Matches 148;  Conservative   0;  Mismatches   0;  Indels   0;  Gaps  0;

Qy     55 ASGQPPTIRWLLNGQPLSMVPPDPHHLLPDGTLLLLQPPARGHAHDGQALSTDLGVYTC 114
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     33 ASGQPPTIRWLLNGQPLSMVPPDPHHLLPDGTLLLLQPPARGHAHDGQALSTDLGVYTC 92

Qy    115 EASNRLGTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKD 174
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     93 EASNRLGTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKD 152

Qy    175 GKPLALQPGRHTVSGGSLLMARAEKSDE 202
          ||||||||||||||||||||||||||||
Db    153 GKPLALQPGRHTVSGGSLLMARAEKSDE 180


RESULT 12
US-09-978-403A-211
; Sequence 211, Application US/09978403A
; Publication No. US2003005024OA1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
```

APPLICANT:　Godowski, Paul J.
APPLICANT:　Grimaldi, J. Christopher
APPLICANT:　Gurney, Austin L.
APPLICANT:　Hillan, Kenneth J
APPLICANT:　Kljavin, Ivar J.
APPLICANT:　Kuo, Sophia S.
APPLICANT:　Napier, Mary A.
APPLICANT:　Pan, James;
APPLICANT:　Paoni, Nicholas F.
APPLICANT:　Roy, Margaret Ann
APPLICANT:　Shelton, David L.
APPLICANT:　Stewart, Timothy A.
APPLICANT:　Tumas, Daniel
APPLICANT:　Williams, P. Mickey
APPLICANT:　Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C17
CURRENT APPLICATION NUMBER: US/09/978,403A
CURRENT FILING DATE:　2002-03-19
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078004
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/078886
PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/078936
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078939
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079664
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079689
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079786
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079920
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/079923
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/080105
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080107
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080165

PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080194
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080327
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080328
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080333
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080334
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/081070
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081049
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081071
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081195
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081955
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081819
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081952
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081838
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082568
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082569
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082704
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082804
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082700
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082797
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082796
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/083336
PRIOR FILING DATE: 1998-04-23
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-27
PRIOR APPLICATION NUMBER: 60/083392
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083495
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083496
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083499
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083554
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083558
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083559
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083500
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083742
PRIOR FILING DATE: 1998-04-30
PRIOR APPLICATION NUMBER: 60/084366
PRIOR FILING DATE: 1998-05-05

```
PRIOR APPLICATION NUMBER: 60/084414
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084441
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084639
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084640
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084598
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084643
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085323
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085582
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085700
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085689
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085580
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697
PRIOR FILING DATE: 1998-05-15


Query Match         48.8%;  Score 148;  DB 10;  Length 985;
Best Local Similarity  100.0%;  Pred. No. 7.4e-124;  Indels  0;  Gaps  0;
Matches  148;  Conservative  0;  Mismatches  0;

Qy    55 ASGQPPPTIRWLLNGQPLSMVPPDPHHLLPDGTLLLLQPPARGHAHDGQALSTDLGVYTC 114
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    33 ASGQPPPTIRWLLNGQPLSMVPPDPHHLLPDGTLLLLQPPARGHAHDGQALSTDLGVYTC 92

Qy   115 EASNRLGTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKD 174
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    93 EASNRLGTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKD 152

Qy   175 GKPLALQPGRHTVSGGSLLMARAEKSDE 202
          |||||||||||||||||||||||||||
Db   153 GKPLALQPGRHTVSGGSLLMARAEKSDE 180


RESULT 13
US-09-978-564A-211
; Sequence 211, Application US/09978564A
; Publication No. US20030050241A1
GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleon
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
```

```
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J
APPLICANT: Kljavin, Ivar J.
APPLICANT: Kuo, Sophia S.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Shelton, David L.
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C25
CURRENT APPLICATION NUMBER: US/09/978,564A
CURRENT FILING DATE: 2001-10-16
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/078004
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078936
PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/078886
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078936
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078939
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079664
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079689
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079786
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079920
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079923
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/080105
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/080107
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080107
PRIOR FILING DATE: 1998-03-31
```

```
;~ PRIOR APPLICATION NUMBER: 60/080165
;~ PRIOR FILING DATE: 1998-03-31
;~ PRIOR APPLICATION NUMBER: 60/080194
;~ PRIOR FILING DATE: 1998-03-31
;~ PRIOR APPLICATION NUMBER: 60/080327
;~ PRIOR FILING DATE: 1998-04-01
;~ PRIOR APPLICATION NUMBER: 60/080328
;~ PRIOR FILING DATE: 1998-04-01
;~ PRIOR APPLICATION NUMBER: 60/080333
;~ PRIOR FILING DATE: 1998-04-01
;~ PRIOR APPLICATION NUMBER: 60/080334
;~ PRIOR FILING DATE: 1998-04-01
;~ PRIOR APPLICATION NUMBER: 60/081070
;~ PRIOR FILING DATE: 1998-04-08
;~ PRIOR APPLICATION NUMBER: 60/081049
;~ PRIOR FILING DATE: 1998-04-08
;~ PRIOR APPLICATION NUMBER: 60/081071
;~ PRIOR FILING DATE: 1998-04-08
;~ PRIOR APPLICATION NUMBER: 60/081195
;~ PRIOR FILING DATE: 1998-04-08
;~ PRIOR APPLICATION NUMBER: 60/081203
;~ PRIOR FILING DATE: 1998-04-08
;~ PRIOR APPLICATION NUMBER: 60/081229
;~ PRIOR FILING DATE: 1998-04-09
;~ PRIOR APPLICATION NUMBER: 60/081955
;~ PRIOR FILING DATE: 1998-04-09
;~ PRIOR APPLICATION NUMBER: 60/081817
;~ PRIOR FILING DATE: 1998-04-15
;~ PRIOR APPLICATION NUMBER: 60/081819
;~ PRIOR FILING DATE: 1998-04-15
;~ PRIOR APPLICATION NUMBER: 60/081952
;~ PRIOR FILING DATE: 1998-04-15
;~ PRIOR APPLICATION NUMBER: 60/081838
;~ PRIOR FILING DATE: 1998-04-15
;~ PRIOR APPLICATION NUMBER: 60/082568
;~ PRIOR FILING DATE: 1998-04-15
;~ PRIOR APPLICATION NUMBER: 60/082569
;~ PRIOR FILING DATE: 1998-04-21
;~ PRIOR APPLICATION NUMBER: 60/082704
;~ PRIOR FILING DATE: 1998-04-21
;~ PRIOR APPLICATION NUMBER: 60/082804
;~ PRIOR FILING DATE: 1998-04-22
;~ PRIOR APPLICATION NUMBER: 60/082700
;~ PRIOR FILING DATE: 1998-04-22
;~ PRIOR APPLICATION NUMBER: 60/082797
;~ PRIOR FILING DATE: 1998-04-22
;~ PRIOR APPLICATION NUMBER: 60/082796
;~ PRIOR FILING DATE: 1998-04-22
;~ PRIOR APPLICATION NUMBER: 60/083336
;~ PRIOR FILING DATE: 1998-04-23
;~ PRIOR APPLICATION NUMBER: 60/083322
;~ PRIOR FILING DATE: 1998-04-27
;~ PRIOR APPLICATION NUMBER: 60/083392
;~ PRIOR FILING DATE: 1998-04-28
;~ PRIOR APPLICATION NUMBER: 60/083495
;~ PRIOR FILING DATE: 1998-04-29
;~ PRIOR APPLICATION NUMBER: 60/083496
;~ PRIOR FILING DATE: 1998-04-29
;~ PRIOR APPLICATION NUMBER: 60/083499
;~ PRIOR FILING DATE: 1998-04-29
;~ PRIOR APPLICATION NUMBER: 60/083545
;~ PRIOR FILING DATE: 1998-04-29
;~ PRIOR APPLICATION NUMBER: 60/083554
;~ PRIOR FILING DATE: 1998-04-29
;~ PRIOR APPLICATION NUMBER: 60/083558
;~ PRIOR FILING DATE: 1998-04-29
;~ PRIOR APPLICATION NUMBER: 60/083559
;~ PRIOR FILING DATE: 1998-04-29
;~ PRIOR APPLICATION NUMBER: 60/083500
;~ PRIOR FILING DATE: 1998-04-29
;~ PRIOR APPLICATION NUMBER: 60/083742
;~ PRIOR FILING DATE: 1998-04-29
;~ PRIOR APPLICATION NUMBER: 60/084366
;~ PRIOR FILING DATE: 1998-04-30
```

```
;~ PRIOR FILING DATE: 1998-05-05
;~ PRIOR APPLICATION NUMBER: 60/084414
;~ PRIOR FILING DATE: 1998-05-06
;~ PRIOR APPLICATION NUMBER: 60/084441
;~ PRIOR FILING DATE: 1998-05-06
;~ PRIOR APPLICATION NUMBER: 60/084637
;~ PRIOR FILING DATE: 1998-05-07
;~ PRIOR APPLICATION NUMBER: 60/084639
;~ PRIOR FILING DATE: 1998-05-07
;~ PRIOR APPLICATION NUMBER: 60/084640
;~ PRIOR FILING DATE: 1998-05-07
;~ PRIOR APPLICATION NUMBER: 60/084598
;~ PRIOR FILING DATE: 1998-05-07
;~ PRIOR APPLICATION NUMBER: 60/084600
;~ PRIOR FILING DATE: 1998-05-07
;~ PRIOR APPLICATION NUMBER: 60/084627
;~ PRIOR FILING DATE: 1998-05-07
;~ PRIOR APPLICATION NUMBER: 60/084643
;~ PRIOR FILING DATE: 1998-05-07
;~ PRIOR APPLICATION NUMBER: 60/085339
;~ PRIOR FILING DATE: 1998-05-13
;~ PRIOR APPLICATION NUMBER: 60/085338
;~ PRIOR FILING DATE: 1998-05-13
;~ PRIOR APPLICATION NUMBER: 60/085323
;~ PRIOR FILING DATE: 1998-05-13
;~ PRIOR APPLICATION NUMBER: 60/085582
;~ PRIOR FILING DATE: 1998-05-15
;~ PRIOR APPLICATION NUMBER: 60/085700
;~ PRIOR FILING DATE: 1998-05-15
;~ PRIOR APPLICATION NUMBER: 60/085689
;~ PRIOR FILING DATE: 1998-05-15
;~ PRIOR APPLICATION NUMBER: 60/085579
;~ PRIOR FILING DATE: 1998-05-15
;~ PRIOR APPLICATION NUMBER: 60/085580
;~ PRIOR FILING DATE: 1998-05-15
;~ PRIOR APPLICATION NUMBER: 60/085573
;~ PRIOR FILING DATE: 1998-05-15
;~ PRIOR APPLICATION NUMBER: 60/085704
;~ PRIOR FILING DATE: 1998-05-15
;~ PRIOR APPLICATION NUMBER: 60/085697

Query Match   48.8%;  Score 148;  DB 10;  Length 985;
Best Local Similarity  100.0%;  Pred. No. 7.4e-124;
Matches 148;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;

Qy   55 ASGQPPTIRWLLNGQPLSMVPPDPHHLLPDGTLLLLQPPARGHAHDGQALSTDLGVYTC 114
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   33 ASGQPPTIRWLLNGQPLSMVPPDPHHLLPDGTLLLLQPPARGHAHDGQALSTDLGVYTC 92

Qy  115 EASNRLGTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKD 174
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   93 EASNRLGTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKD 152

Qy  175 GKPLALQPGRHTVSGGSLLMARAEKSDE 202
         ||||||||||||||||||||||||||||
Db  153 GKPLALQPGRHTVSGGSLLMARAEKSDE 180


RESULT 14
US-09-999-833A-211
; Sequence 211, Application US/09999833A
; Publication No. US2003005440SA1
; GENERAL INFORMATION:
;   APPLICANT: Ashkenazi, Avi
;   APPLICANT: Baker Kevin P.
;   APPLICANT: Botstein, David
;   APPLICANT: Desnoyers, Luc
;   APPLICANT: Eaton, Dan
;   APPLICANT: Ferrara, Napoleon
;   APPLICANT: Filvaroff, Ellen
;   APPLICANT: Fong, Sherman
;   APPLICANT: Gao, Wei-Qiang
;   APPLICANT: Gerber, Hanspeter
```

```
APPLICANT:    Gerritsen, Mary E.
APPLICANT:    Goddard, Audrey
APPLICANT:    Godowski, Paul J.
APPLICANT:    Grimaldi, J. Christopher
APPLICANT:    Gurney, Austin L.
APPLICANT:    Hillan, Kenneth J
APPLICANT:    Kljavin, Ivar J.
APPLICANT:    Kuo, Sophia S.
APPLICANT:    Napier, Mary A.
APPLICANT:    Pan, James;
APPLICANT:    Paoni, Nicholas F.
APPLICANT:    Roy, Margaret Ann
APPLICANT:    Shelton, David L.
APPLICANT:    Stewart, Timothy A.
APPLICANT:    Tumas, Daniel
APPLICANT:    Williams, P. Mickey
APPLICANT:    Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C65
CURRENT FILING DATE:    2001-10-24
CURRENT APPLICATION NUMBER: US/09/999,833A
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078004
PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/078886
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078936
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078939
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079664
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079689
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079786
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079920
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/079923
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/080105
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080107
```

```
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080194
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080327
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080328
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080333
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080334
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/081070
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081049
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081071
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081195
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081955
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081819
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081952
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081838
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082568
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082569
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082704
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082804
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082700
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082797
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082796
PRIOR FILING DATE: 1998-04-23
PRIOR APPLICATION NUMBER: 60/083336
PRIOR FILING DATE: 1998-04-27
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083392
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083495
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083496
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083499
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083554
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083558
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083559
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083500
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083742
PRIOR FILING DATE: 1998-04-30
```

```
~ ; PRIOR APPLICATION NUMBER: 60/084366
~ ; PRIOR FILING DATE: 1998-05-05
~ ; PRIOR APPLICATION NUMBER: 60/084414
~ ; PRIOR FILING DATE: 1998-05-06
~ ; PRIOR APPLICATION NUMBER: 60/084441
~ ; PRIOR FILING DATE: 1998-05-06
~ ; PRIOR APPLICATION NUMBER: 60/084637
~ ; PRIOR FILING DATE: 1998-05-07
~ ; PRIOR APPLICATION NUMBER: 60/084639
~ ; PRIOR FILING DATE: 1998-05-07
~ ; PRIOR APPLICATION NUMBER: 60/084640
~ ; PRIOR FILING DATE: 1998-05-07
~ ; PRIOR APPLICATION NUMBER: 60/084598
~ ; PRIOR FILING DATE: 1998-05-07
~ ; PRIOR APPLICATION NUMBER: 60/084600
~ ; PRIOR FILING DATE: 1998-05-07
~ ; PRIOR APPLICATION NUMBER: 60/084627
~ ; PRIOR FILING DATE: 1998-05-07
~ ; PRIOR APPLICATION NUMBER: 60/084643
~ ; PRIOR FILING DATE: 1998-05-07
~ ; PRIOR APPLICATION NUMBER: 60/085339
~ ; PRIOR FILING DATE: 1998-05-13
~ ; PRIOR APPLICATION NUMBER: 60/085338
~ ; PRIOR FILING DATE: 1998-05-13
~ ; PRIOR APPLICATION NUMBER: 60/085323
~ ; PRIOR FILING DATE: 1998-05-13
~ ; PRIOR APPLICATION NUMBER: 60/085582
~ ; PRIOR FILING DATE: 1998-05-15
~ ; PRIOR APPLICATION NUMBER: 60/085700
~ ; PRIOR FILING DATE: 1998-05-15
~ ; PRIOR APPLICATION NUMBER: 60/085689
~ ; PRIOR FILING DATE: 1998-05-15
~ ; PRIOR APPLICATION NUMBER: 60/085579
~ ; PRIOR FILING DATE: 1998-05-15
~ ; PRIOR APPLICATION NUMBER: 60/085580
~ ; PRIOR FILING DATE: 1998-05-15
~ ; PRIOR APPLICATION NUMBER: 60/085573
~ ; PRIOR FILING DATE: 1998-05-15
~ ; PRIOR APPLICATION NUMBER: 60/085704
~ ; PRIOR FILING DATE: 1998-05-15
~ ; PRIOR APPLICATION NUMBER: 60/085697
~ ; PRIOR FILING DATE: 1998-05-15
```

```
~ ; APPLICANT: Gerber, Hanspeter
~ ; APPLICANT: Gerritsen, Mary E.
~ ; APPLICANT: Goddard, Audrey
~ ; APPLICANT: Godowski, Paul J.
~ ; APPLICANT: Grimaldi, J. Christopher
~ ; APPLICANT: Gurney, Austin L.
~ ; APPLICANT: Hillan, Kenneth J
~ ; APPLICANT: Kljavin, Ivar J.
~ ; APPLICANT: Kuo, Sophia S.
~ ; APPLICANT: Napier, Mary A.
~ ; APPLICANT: Pan, James;
~ ; APPLICANT: Paoni, Nicholas F.
~ ; APPLICANT: Roy, Margaret Ann
~ ; APPLICANT: Shelton, David L.
~ ; APPLICANT: Stewart, Timothy A.
~ ; APPLICANT: Tumas, Daniel
~ ; APPLICANT: Williams, P. Mickey
~ ; APPLICANT: Wood, William I.
~ ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
~ ; TITLE OF INVENTION: Acids Encoding the Same
~ ; FILE REFERENCE: P2630P1C12
~ ; CURRENT APPLICATION NUMBER: US/09/981,915A
~ ; CURRENT FILING DATE: 2001-10-16
~ ; PRIOR APPLICATION NUMBER: 09/918585
~ ; PRIOR FILING DATE: 2001-07-30
~ ; PRIOR APPLICATION NUMBER: 60/062250
~ ; PRIOR FILING DATE: 1997-10-17
~ ; PRIOR APPLICATION NUMBER: 60/064249
~ ; PRIOR FILING DATE: 1997-11-03
~ ; PRIOR APPLICATION NUMBER: 60/065311
~ ; PRIOR FILING DATE: 1997-11-13
~ ; PRIOR APPLICATION NUMBER: 60/066364
~ ; PRIOR FILING DATE: 1997-11-21
~ ; PRIOR APPLICATION NUMBER: 60/077450
~ ; PRIOR FILING DATE: 1998-03-10
~ ; PRIOR APPLICATION NUMBER: 60/077632
~ ; PRIOR FILING DATE: 1998-03-11
~ ; PRIOR APPLICATION NUMBER: 60/077641
~ ; PRIOR FILING DATE: 1998-03-11
~ ; PRIOR APPLICATION NUMBER: 60/077649
~ ; PRIOR FILING DATE: 1998-03-11
~ ; PRIOR APPLICATION NUMBER: 60/077791
~ ; PRIOR FILING DATE: 1998-03-12
~ ; PRIOR APPLICATION NUMBER: 60/078004
~ ; PRIOR FILING DATE: 1998-03-13
~ ; PRIOR APPLICATION NUMBER: 60/078886
~ ; PRIOR FILING DATE: 1998-03-20
~ ; PRIOR APPLICATION NUMBER: 60/078936
~ ; PRIOR FILING DATE: 1998-03-20
~ ; PRIOR APPLICATION NUMBER: 60/079728
~ ; PRIOR FILING DATE: 1998-03-27
~ ; PRIOR APPLICATION NUMBER: 60/078910
~ ; PRIOR FILING DATE: 1998-03-20
~ ; PRIOR APPLICATION NUMBER: 60/078939
~ ; PRIOR FILING DATE: 1998-03-20
~ ; PRIOR APPLICATION NUMBER: 60/079294
~ ; PRIOR FILING DATE: 1998-03-25
~ ; PRIOR APPLICATION NUMBER: 60/079656
~ ; PRIOR FILING DATE: 1998-03-26
~ ; PRIOR APPLICATION NUMBER: 60/079664
~ ; PRIOR FILING DATE: 1998-03-27
~ ; PRIOR APPLICATION NUMBER: 60/079689
~ ; PRIOR FILING DATE: 1998-03-27
~ ; PRIOR APPLICATION NUMBER: 60/079663
~ ; PRIOR FILING DATE: 1998-03-27
~ ; PRIOR APPLICATION NUMBER: 60/079786
~ ; PRIOR FILING DATE: 1998-03-27
~ ; PRIOR APPLICATION NUMBER: 60/079920
~ ; PRIOR FILING DATE: 1998-03-30
~ ; PRIOR APPLICATION NUMBER: 60/079923
~ ; PRIOR FILING DATE: 1998-03-30
~ ; PRIOR APPLICATION NUMBER: 60/080105
~ ; PRIOR FILING DATE: 1998-03-31
```

```
Query Match          48.8%;   Score 148;   DB 10;   Length 985;
Best Local Similarity  100.0%;   Pred. No. 7.4e-124;
Matches 148;   Conservative    0;   Mismatches    0;   Indels    0;   Gaps    0;

Qy    55  ASGQPPPTIRWLLNGQPLSMVPPDPHHILPDGTILLLQPPARGHAHDGQALSTDLGVYTC 114
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    33  ASGQPPPTIRWLLNGQPLSMVPPDPHHILPDGTILLLQPPARGHAHDGQALSTDLGVYTC  92

Qy   115  EASNRLGTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKD 174
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    93  EASNRLGTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKD 152

Qy   175  GKPLALQPGRHTVSGGSLLMARAEKSDE 202
              |||||||||||||||||||||||||||
Db   153  GKPLALQPGRHTVSGGSLLMARAEKSDE 180
```

```
RESULT 15
US-09-981-915A-211
; Sequence 211, Application US/09981915A
; Publication No. US20030054986A1
; GENERAL INFORMATION:
~ ; APPLICANT: Ashkenazi, Avi
~ ; APPLICANT: Baker Kevin P.
~ ; APPLICANT: Botstein, David
~ ; APPLICANT: Desnoyers, Luc
~ ; APPLICANT: Eaton, Dan
~ ; APPLICANT: Ferrara, Napoleon
~ ; APPLICANT: Filvaroff, Ellen
~ ; APPLICANT: Fong, Sherman
~ ; APPLICANT: Gao, Wei-Qiang
```

PRIOR FILING DATE: 1998-04-30
PRIOR APPLICATION NUMBER: 60/084366
PRIOR FILING DATE: 1998-05-05
PRIOR APPLICATION NUMBER: 60/084414
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084441
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084639
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084640
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084598
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084643
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085323
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085582
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085700
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085689
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085580
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

Query Match   48.8%;   Score 148;   DB 10;   Length 985;
Best Local Similarity   100.0%;   Pred No. 7.4e-124;
Matches 148;   Conservative   0;   Mismatches   0;   Indels   0;   Gaps   0;

```
Qy    55  ASGQPPTIRWLLNGQPLSMVPPDPHHLLPDGTLLLLQPPARGHAHDGQALSTDLGVYTC 114
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    33  ASGQPPTIRWLLNGQPLSMVPPDPHHLLPDGTLLLLQPPARGHAHDGQALSTDLGVYTC 92

Qy   115  EASNRLGTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKD 174
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    93  EASNRLGTAVSRGARLSVAVLREDFQIQPRDMVAVVGEQFTLECGPPWGHPEPTVSWWKD 152

Qy   175  GKPLALQPGRHTVSGGSLLWARAEKSDE 202
              |||||||||||||||||||||||||||
Db   153  GKPLALQPGRHTVSGGSLLWARAEKSDE 180
```

Search completed: June 25, 2004, 09:39:25
Job time : 63 secs

PRIOR APPLICATION NUMBER: 60/080107
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080194
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080327
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080328
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080333
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080334
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/081070
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081049
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081071
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081195
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081955
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081819
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081952
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081838
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082568
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082569
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082704
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082804
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082700
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082797
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082796
PRIOR FILING DATE: 1998-04-23
PRIOR APPLICATION NUMBER: 60/083336
PRIOR FILING DATE: 1998-04-27
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083392
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083495
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083496
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083499
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083554
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083558
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083559
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083500
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083742

us-10-047-021-86.oligo.rni

```
                    GenCore version 5.1.6
              Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - nucleic search, using frame_plus_p2n model

Run on:        June 26, 2004, 06:44:06 ; Search time 72 Seconds
                               (without alignments)
                          2335.418 Million cell updates/sec

Title:         US-10-047-021-86
Perfect score: 303
Sequence:      1 MGSGGDSLLGGRGSLPLLLL..........SGPRLPREARELRGQRRNTG 303

Scoring table: OLIGO
               Xgapop  60.0 , Xgapext  60.0
               Ygapop  60.0 , Ygapext  60.0
               Fgapop   6.0 , Fgapext   7.0
               Delop    6.0 , Delext    7.0

Searched:      682709 seqs, 277475446 residues

Word size:     1

Total number of hits satisfying chosen parameters:     1360453

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 1000 summaries

Command line parameters:
-MODEL=frame+_p2n.model -DEV=x1h
-Q=/cgn2_1/USPTO_spool/US10047021/runat 25062004_093546_16145/app_query.fasta_1.455
-DB=Issued_Patents_NA -QFMT=fastap -SUFFIX=oligo.rni -MINMATCH=0.1 -LOOPCL=0
-LOOPEXT=0 -UNITS=Bits -START=1 -END=-1 -MATRIX=oligo -TRANS=human40.cdi
-LIST=1000 -DOCALIGN=200 -THR_SCORE=quality -THR_MIN=1 -ALIGN=15 -MODE=LOCAL
-OUTFMT=pto -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000
-USER=US10047021 @CGN_1_1 54 @runat_25062004 093546 16145 -NCPU=6 -ICPU=3
-NO_MMAP -LARGEQUERY -NEG_SCORES=0 -WAIT -DSPBLOCK=100 -LONGLOG
-DEV_TIMEOUT=120 -WARN_TIMEOUT=30 -THREADS=1 -XGAPOP=60 -XGAPEXT=60 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=60 -YGAPEXT=60 -DELOP=6 -DELEXT=7

Database :     Issued_Patents_NA:*
           1: /cgn2_6/ptcdata/2/ina/5A_COMB.seq:*
           2: /cgn2_6/ptcdata/2/ina/5B_COMB.seq:*
           3: /cgn2_6/ptcdata/2/ina/6A_COMB.seq:*
           4: /cgn2_6/ptcdata/2/ina/6B_COMB.seq:*
           5: /cgn2_6/ptcdata/2/ina/PCTUS_COMB.seq:*
           6: /cgn2_6/ptcdata/2/ina/backfiles1.seq:*

       Pred. No. is the number of results predicted by chance to have a
       score greater than or equal to the score of the result being printed,
       and is derived by analysis of the total score distribution.
```

                                    SUMMARIES

Result No.	Score	% Match	Query Length	DB Length	DB	ID		Description
1	9	3.0	392000	4		US-10-027-983-11		Sequence 11, Appl
c 2	8	2.6	280	4		US-09-016-434-278		Sequence 278, App
c 3	8	2.6	482	4		US-09-173-151A-5		Sequence 5, Appli
4	8	2.6	571	4		US-09-621-976-264		Sequence 264, App
5	8	2.6	833	2		US-08-837-029-1		Sequence 1, Appli
6	8	2.6	846	6		5164485-1		Patent No. 5164485
7	8	2.6	993	4		US-09-615-192A-201		Sequence 201, App
8	8	2.6	1081	4		US-09-976-594-522		Sequence 522, App
9	8	2.6	1286	4		US-10-133-907-3		Sequence 3, Appli
10	8	2.6	1339	4		US-09-533-029-99		Sequence 99, Appl
c 11	8	2.6	1662	4		US-09-668-097A-13		Sequence 13, Appl
c 12	8	2.6	1750	4		US-09-668-097A-7		Sequence 7, Appli

c 13	8	2.6	1771	3	US-08-818-112-13	Sequence 13, Appl
c 14	8	2.6	1771	4	US-08-818-111-13	Sequence 13, Appl
c 15	8	2.6	1771	4	US-09-056-556-13	Sequence 13, Appl
c 16	8	2.6	1771	4	US-09-072-599-13	Sequence 13, Appl
c 17	8	2.6	1867	4	US-09-072-967-13	Sequence 13, Appl
c 18	8	2.6	1948	1	US-07-955-905A-1	Sequence 1, Appli
c 19	8	2.6	1948	4	US-09-360-197-11	Sequence 11, Appl
c 20	8	2.6	2126	4	US-09-833-381-1979	Sequence 1979, Ap
21	8	2.6	2286	4	US-09-800-729-43	Sequence 43, Appl
22	8	2.6	2314	4	US-09-173-151A-9	Sequence 9, Appli
23	8	2.6	2329	4	US-09-800-729-11	Sequence 11, Appl
24	8	2.6	2355	4	US-09-800-729-27	Sequence 27, Appl
25	8	2.6	2427	4	US-09-023-655-457	Sequence 457, App
26	8	2.6	2480	4	US-09-202-918-1	Sequence 1, Appli
27	8	2.6	2535	4	US-09-673-395A-43	Sequence 43, Appl
c 28	8	2.6	2681	4	US-09-621-502-1	Sequence 1, Appli
c 29	8	2.6	2681	4	US-09-616-530A-6	Sequence 6, Appli
c 30	8	2.6	2703	4	US-09-673-395A-536	Sequence 536, App
c 31	8	2.6	2912	3	US-09-034-177-2	Sequence 2, Appli
c 32	8	2.6	2913	4	US-09-976-594-368	Sequence 368, App
33	8	2.6	2951	3	US-08-473-118-105	Sequence 105, App
34	8	2.6	2951	3	US-08-473-446-105	Sequence 105, App
c 35	8	2.6	3178	3	US-08-968-563-7	Sequence 7, Appli
c 36	8	2.6	3178	4	US-08-969-683A-7	Sequence 7, Appli
c 37	8	2.6	3178	3	US-09-297-928-3	Sequence 3, Appli
38	8	2.6	3215	4	US-09-719-528A-1	Sequence 1, Appli
c 39	8	2.6	3761	4	US-08-890-865A-2	Sequence 2, Appli
40	8	2.6	4078	4	US-09-016-434-1132	Sequence 1132, Ap
41	8	2.6	5690	2	US-08-447-464-2	Sequence 2, Appli
42	8	2.6	5690	2	US-08-716-679-2	Sequence 2, Appli
43	8	2.6	6000	1	US-08-348-006B-6	Sequence 6, Appli
44	8	2.6	6000	3	US-08-800-825A-6	Sequence 6, Appli
45	8	2.6	6000	3	US-09-158-657-6	Sequence 6, Appli
46	8	2.6	6000	5	PCT-US94-10166-6	Sequence 6, Appli
47	8	2.6	6263	4	US-09-023-655-1473	Sequence 1473, Ap
48	8	2.6	6363	4	US-09-023-655-879	Sequence 879, App
49	8	2.6	6727	3	US-08-629-643A-5	Sequence 5, Appli
50	8	2.6	6727	3	US-09-280-799-1	Sequence 1, Appli
51	8	2.6	6727	4	US-09-155-884-5	Sequence 5, Appli
52	8	2.6	7702	4	US-09-023-655-1336	Sequence 1336, Ap
53	8	2.6	8252	4	US-08-046-585-15	Sequence 15, Appl
54	8	2.6	8252	1	US-08-393-703-15	Sequence 15, Appl
55	8	2.6	8252	5	PCT-US93-11721-15	Sequence 15, Appl
56	8	2.6	16836	4	US-09-147-236-1	Sequence 1, Appli
c 57	8	2.6	16836	4	US-09-147-236-10	Sequence 10, Appl
c 58	8	2.6	16836	4	US-09-522-474-1	Sequence 1, Appli
c 59	8	2.6	16836	4	US-09-522-474-10	Sequence 10, Appl
c 60	8	2.6	70000	4	US-09-851-896-3	Sequence 3, Appli
c 61	8	2.6	640681	4	US-09-790-98-1	Sequence 1, Appli
62	8	2.6	4403765	3	US-09-103-840A-2	Sequence 2, Appli
63	8	2.6	4403765	3	US-09-103-840A-2	Sequence 2, Appli
64	8	2.6	4411529	3	US-09-103-840A-1	Sequence 1, Appli
c 65	8	2.6	4411529	3	US-09-103-840A-1	Sequence 1, Appli
66	7	2.3	42	3	US-09-162-48-7	Sequence 7, Appli
67	7	2.3	47	1	US-08-334-177-5	Sequence 5, Appli
68	7	2.3	47	5	PCT-US95-13830-5	Sequence 5, Appli
c 69	7	2.3	56	3	US-08-663-824-21	Sequence 21, Appl
c 70	7	2.3	56	3	US-08-874-825-21	Sequence 21, Appl
c 71	7	2.3	56	3	US-09-231-303-21	Sequence 21, Appl
72	7	2.3	59	3	US-08-663-824-22	Sequence 22, Appl
73	7	2.3	59	3	US-08-874-825-22	Sequence 22, Appl
74	7	2.3	59	3	US-09-231-303-22	Sequence 22, Appl
75	7	2.3	59	4	US-08-407-620A-45	Sequence 45, Appl
76	7	2.3	60	3	US-08-911-894-67	Sequence 67, Appl
77	7	2.3	76	2	US-08-116-778E-34	Sequence 34, Appl
78	7	2.3	76	3	US-08-438-562-34	Sequence 34, Appl
79	7	2.3	76	3	US-08-483-528B-34	Sequence 34, Appl
80	7	2.3	76	3	US-08-673-799C-34	Sequence 34, Appl
81	7	2.3	87	4	US-09-393-385B-34	Sequence 34, Appl
c 82	7	2.3	95	5	PCT-US92-10792-24	Sequence 24, Appl
c 83	7	2.3	99	3	US-08-956-171E-1624	Sequence 1624, Ap
c 84	7	2.3	103	3	US-08-513-968-56	Sequence 56, Appl
c 85	7	2.3	109	4	US-09-724-916A-81	Sequence 81, Appl

us-10-047-021-86.oligo.rni

No.			Reference		Description
86	2.3	r	US-09-724-916A-82	4	Sequence 82, Appl
87	2.3	r	US-08-765-783A-68	2	Sequence 68, Appl
88	2.3	r	US-08-921-100-68	3	Sequence 68, Appl
89	2.3	r	US-08-880-142-68	3	Sequence 68, Appl
90	2.3	r	US-08-902-201-68	3	Sequence 68, Appl
91	2.3	r	US-08-416-557-68	4	Sequence 68, Appl
92	2.3	r	US-09-118-554-29	4	Sequence 29, Appl
93	2.3	r	US-09-118-627-29	4	Sequence 29, Appl
94	2.3	r	US-09-602-877A-29	4	Sequence 29, Appl
95	2.3	r	US-09-540-236-710	4	Sequence 710, App
96	2.3	r	US-09-04-303-3	4	Sequence 3, Appli
97	2.3	r	5273901-10	6	Patent No. 5273901
98	2.3	r	5482709-9	6	Patent No. 5482709
99	2.3	r	US-09-016-434-594	3	Sequence 594, App
c 100	2.3	r	US-08-946-026-34	3	Sequence 34, Appl
c 101	2.3	r	US-09-621-976-8990	4	Sequence 8990, Ap
c 102	2.3	r	US-09-621-976-17141	4	Sequence 17141, A
c 103	2.3	r	US-09-833-381-558	4	Sequence 558, App
c 104	2.3	r	US-09-621-976-17142	4	Sequence 17142, A
105	2.3	r	US-09-507-765-12	4	Sequence 12, Appl
106	2.3	r	US-09-621-976-14779	4	Sequence 14779, A
107	2.3	r	US-09-702-705-149	4	Sequence 149, App
c 108	2.3	r	US-09-736-457-149	4	Sequence 149, App
c 109	2.3	r	US-09-614-124B-149	4	Sequence 149, App
c 110	2.3	r	US-09-671-325-149	4	Sequence 149, App
111	2.3	r	US-09-588-184-149	4	Sequence 149, App
112	2.3	r	US-09-313-294A-1582	4	Sequence 1582, Ap
113	2.3	r	US-09-443-184-111	4	Sequence 111, App
114	2.3	r	US-09-060-756-156	4	Sequence 156, App
115	2.3	r	US-09-670-314-156	4	Sequence 156, App
c 116	2.3	r	US-09-313-294A-6783	4	Sequence 6783, Ap
117	2.3	r	US-09-313-294A-5324	4	Sequence 5324, Ap
118	2.3	r	US-09-621-976-14432	4	Sequence 14432, A
119	2.3	r	US-09-621-976-14415	4	Sequence 14415, A
120	2.3	r	US-08-905-223-202	3	Sequence 202, App
121	2.3	r	US-09-313-294A-7019	4	Sequence 7019, Ap
122	2.3	r	US-09-255-991A-915	4	Sequence 915, App
123	2.3	r	US-08-166-868-6	2	Sequence 6, Appli
124	2.3	r	US-08-318-157B-18	4	Sequence 18, Appl
125	2.3	r	US-09-672-609-20	4	Sequence 20, Appl
126	2.3	r	US-09-253-794-18	4	Sequence 18, Appl
127	2.3	r	US-09-621-976-150	4	Sequence 150, App
128	2.3	r	US-09-459-310-13	1	Sequence 13, Appl
129	2.3	r	US-09-459-310-16	1	Sequence 16, Appl
130	2.3	r	US-08-491-845-11	1	Sequence 11, Appl
131	2.3	r	US-08-672-609-21	4	Sequence 21, Appl
132	2.3	r	US-09-025-403A-21	4	Sequence 21, Appli
133	2.3	r	US-09-343-698-7	4	Sequence 7, Appli
134	2.3	r	US-08-325-955-7	4	Sequence 7, Appli
135	2.3	r	US-08-318-157B-18	1	Sequence 15, Appl
136	2.3	r	US-08-491-845-15	4	Sequence 32, Appl
137	2.3	r	US-08-859-649-32	4	Sequence 64, Appl
138	2.3	r	US-08-207-861-32	4	Sequence 32, Appl
139	2.3	r	US-08-859-648-32	4	Sequence 32, Appl
140	2.3	r	US-08-513-968-81	4	Sequence 81, Appl
141	2.3	r	US-08-407-620A-14	2	Sequence 14, Appl
142	2.3	r	US-08-428-257A-79	4	Sequence 79, Appl
143	2.3	r	US-07-987-264-61	4	Sequence 61, Appl
c 144	2.3	r	US-09-107-532A-3412	4	Sequence 3412, Ap
145	2.3	r	US-09-621-976-13278	4	Sequence 13278, A
146	2.3	r	US-09-252-991A-14356	4	Sequence 14356, A
c 147	2.3	r	US-09-252-991A-7002	3	Sequence 7002, Ap
148	2.3	r	US-09-071-252-7	4	Sequence 7, Appli
c 149	2.3	r	US-09-621-976-14626	4	Sequence 14626, A
150	2.3	r	US-08-407-620A-31	4	Sequence 31, Appl
151	2.3	r	US-08-553-501A-54	2	Sequence 54, Appl
152	2.3	r	US-08-553-501A-56	2	Sequence 56, Appl
153	2.3	r	US-09-205-231-54	3	Sequence 54, Appl
154	2.3	r	US-09-205-231-56	3	Sequence 56, Appl
155	2.3	r	US-08-765-783A-72	2	Sequence 72, Appl
156	2.3	r	US-08-765-783A-76	2	Sequence 76, Appl
157	2.3	r	US-08-921-100-72	3	Sequence 72, Appl
158	2.3	r	US-08-921-100-76	3	Sequence 76, Appl
159	2.3	r	US-08-880-142-72	3	Sequence 72, Appl
160	2.3	r	US-08-880-142-76	3	Sequence 76, Appl
161	2.3	r	US-08-902-201-72	3	Sequence 72, Appl
162	2.3	r	US-08-902-201-76	3	Sequence 76, Appl
163	2.3	r	US-08-646-265A-42	3	Sequence 42, Appl
164	2.3	r	US-08-646-265A-46	3	Sequence 46, Appl
165	2.3	r	US-08-646-265A-50	3	Sequence 50, Appl
166	2.3	r	US-08-646-265A-52	3	Sequence 52, Appl
167	2.3	r	US-08-646-265A-56	3	Sequence 56, Appl
168	2.3	r	US-08-646-265A-58	3	Sequence 58, Appl
169	2.3	r	US-08-646-265A-62	3	Sequence 62, Appl
170	2.3	r	US-08-646-265A-64	3	Sequence 64, Appl
171	2.3	r	US-08-646-265A-68	3	Sequence 68, Appl
172	2.3	r	US-08-646-265A-72	3	Sequence 72, Appl
173	2.3	r	US-08-646-265A-74	3	Sequence 74, Appl
174	2.3	r	US-08-646-265A-76	3	Sequence 76, Appl
175	2.3	r	US-08-646-265A-80	3	Sequence 80, Appl
176	2.3	r	US-08-646-265A-84	3	Sequence 84, Appl
177	2.3	r	US-08-646-265A-86	3	Sequence 86, Appl
178	2.3	r	US-08-646-265A-90	3	Sequence 90, Appl
179	2.3	r	US-09-416-557-72	3	Sequence 72, Appl
180	2.3	r	US-09-416-557-76	3	Sequence 76, Appl
181	2.3	r	US-09-355-925-2	4	Sequence 2, Appli
182	2.3	r	US-08-353-372A-37	4	Sequence 37, Appl
183	2.3	r	US-08-057-430A-29	4	Sequence 29, Appl
184	2.3	r	US-08-463-128-5	1	Sequence 5, Appli
185	2.3	r	US-08-463-128-9	4	Sequence 9, Appli
186	2.3	r	US-08-463-298-5	1	Sequence 5, Appli
187	2.3	r	US-08-463-298-9	4	Sequence 9, Appli
188	2.3	r	US-08-436-339A-5	2	Sequence 5, Appli
189	2.3	r	US-08-436-339A-9	4	Sequence 9, Appli
190	2.3	r	US-08-454-899G-30	4	Sequence 30, Appl
191	2.3	r	US-08-454-899G-62	4	Sequence 62, Appl
192	2.3	r	US-08-454-899G-66	4	Sequence 66, Appl
193	2.3	r	PCT-US94-10395-4	5	Sequence 4, Appli
194	2.3	r	PCT-US94-10395-6	5	Sequence 6, Appli
195	2.3	r	US-08-483-528B-64	2	Sequence 64, Appl
196	2.3	r	US-08-483-528B-67	2	Sequence 67, Appl
197	2.3	r	US-08-483-528B-73	2	Sequence 73, Appl
198	2.3	r	US-08-483-528B-79	2	Sequence 79, Appl
199	2.3	r	US-08-673-799C-64	3	Sequence 64, Appl
200	2.3	r	US-08-673-799C-67	3	Sequence 67, Appl
201	2.3	r	US-08-673-799C-73	3	Sequence 73, Appl
202	2.3	r	US-08-673-799C-79	3	Sequence 79, Appl
203	2.3	r	US-09-393-385B-64	4	Sequence 64, Appl
204	2.3	r	US-09-393-385B-67	4	Sequence 67, Appl
205	2.3	r	US-09-393-385B-73	4	Sequence 73, Appl
206	2.3	r	US-09-393-385B-79	4	Sequence 79, Appl
207	2.3	r	US-08-470-179-58	1	Sequence 58, Appl
208	2.3	r	US-09-328-111-352	3	Sequence 352, App
c 209	2.3	r	US-08-956-171E-3799	4	Sequence 3799, Ap
210	2.3	r	US-09-621-976-19142	4	Sequence 19142, A
211	2.3	r	US-08-137-117D-70	1	Sequence 70, Appl
212	2.3	r	US-08-436-717-70	4	Sequence 70, Appl
c 213	2.3	r	5510472-4	6	Patent No. 5510472
214	2.3	r	US-09-543-681A-3880	4	Sequence 3880, Ap
215	2.3	r	US-08-116-778E-48	2	Sequence 48, Appl
216	2.3	r	US-08-438-562-48	2	Sequence 48, Appl
217	2.3	r	US-08-483-528B-37	4	Sequence 37, Appl
218	2.3	r	US-08-673-799C-37	4	Sequence 37, Appl
219	2.3	r	US-09-228-986-31	4	Sequence 31, Appl
220	2.3	r	US-09-393-385B-37	4	Sequence 37, Appl
221	2.3	r	US-09-621-976-14249	4	Sequence 14249, A
c 222	2.3	r	US-09-621-976-2185	4	Sequence 2185, Ap
223	2.3	r	US-08-137-117D-85	1	Sequence 85, Appl
224	2.3	r	US-08-436-717-85	4	Sequence 85, Appl
225	2.3	r	US-09-252-991A-12	4	Sequence 12, Appl
226	2.3	r	US-09-252-991A-871	4	Sequence 871, App
227	2.3	r	US-09-956-171E-3970	4	Sequence 3970, Ap
228	2.3	r	US-09-489-039A-2136	4	Sequence 2136, Ap
c 229	2.3	r	US-09-252-991A-1003	4	Sequence 1003, Ap
c 230	2.3	r	US-09-621-976-19201	4	Sequence 19201, A
c 231	2.3	r	US-09-621-976-42	4	Sequence 42, Appli

Table (left column)

#	c	val	n	Patent/Sequence ID	Description
232		426	4	US-09-252-991A-5382	Sequence 5382, Ap
233	c	428	4	US-09-833-381-1936	Sequence 1936, Ap
234	c	429	3	US-08-905-223-61	Sequence 61, Appl
235		429	4	US-09-252-991A-5365	Sequence 5365, Ap
236	c	430	3	US-08-905-223-224	Sequence 224, App
237	c	432	4	US-09-252-991A-13256	Sequence 13256, A
238		435	3	US-09-397-787-162	Sequence 162, Appl
239		436	3	US-09-085-199B-28	Sequence 28, Appl
240		438	4	US-09-252-991A-5763	Sequence 5763, Ap
241		439	3	US-09-397-787-164	Sequence 164, Appl
242	c	452	4	US-09-621-976-10164	Sequence 10164, A
243	c	459	4	US-09-489-039A-3182	Sequence 3182, Ap
244	c	459	4	US-09-621-976-3656	Sequence 3656, Ap
245	c	461	4	US-09-621-976-16267	Sequence 16267, A
246		467	4	US-09-621-976-443	Sequence 443, App
247	c	468	4	US-09-543-681A-749	Sequence 749, Appl
248		468	4	US-09-894-844-29	Sequence 29, Appl
249	c	470	1	US-08-785-065-6	Sequence 6, Appli
250	c	470	4	US-09-151-412-6	Sequence 6, Appli
251		472	4	US-09-833-381-203	Sequence 203, App
252	c	476	4	US-09-276-531-104	Sequence 104, Appl
253		476	4	US-09-507-765-1	Sequence 1, Appli
254		477	4	US-09-252-991A-15998	Sequence 15998, A
255	c	485	4	US-09-247-155-75	Sequence 75, Appl
256		485	1	US-09-484-970B-120	Sequence 120, App
257		486	4	US-09-252-991A-3871	Sequence 3871, Ap
258		486	4	US-09-252-991A-12574	Sequence 12574, A
259	c	501	4	US-09-144-545-60	Sequence 60, Appl
260		503	4	US-09-702-705-1364	Sequence 1364, Ap
261		503	4	US-09-736-457-1364	Sequence 1364, Ap
262	c	503	4	US-09-614-124B-1364	Sequence 1364, Ap
263		503	4	US-09-671-325-1364	Sequence 1364, Ap
264		506	1	US-08-137-117D-65	Sequence 65, Appl
265	c	506	4	US-08-436-717-65	Sequence 65, Appl
266		513	3	US-08-911-853-32	Sequence 32, Appl
267	c	513	3	US-08-642-274D-48	Sequence 48, Appl
268		513	3	US-09-479-409-32	Sequence 32, Appl
269	c	513	3	US-08-952-014C-48	Sequence 48, Appl
270		513	4	US-09-479-453-32	Sequence 32, Appl
271		516	4	US-09-083-268-1	Sequence 1, Appli
272	c	520	4	US-09-621-976-325	Sequence 325, App
273		524	3	US-09-511-968-49	Sequence 49, Appl
274	c	528	4	US-09-107-532A-1529	Sequence 1529, Ap
275		528	6	US-09-489-039A-2976	Sequence 2976, Ap
276	c	533	6	5482709-5	Patent No. 5482709-5
277	c	536	6	US-09-148-545-115	Sequence 115, App
278		543	6	5273901-6	Patent No. 5273901-6
279	c	546	4	US-09-566-921-78	Sequence 78, Appl
280		551	4	US-09-023-655-786	Sequence 786, App
281	c	552	3	US-09-117-257-20	Sequence 20, Appl
282	c	552	3	US-08-945-476-20	Sequence 20, Appl
283		552	4	US-09-489-352-20	Sequence 20, Appl
284	c	555	3	US-09-117-257-51	Sequence 51, Appl
285	c	555	3	US-08-945-476-14	Sequence 14, Appl
286	c	557	4	US-09-489-352-51	Sequence 51, Appl
287		558	4	US-09-621-976-10646	Sequence 10646, A
288	c	558	2	US-09-252-991A-9943	Sequence 9943, Ap
289	c	561	4	US-09-589-711-3	Sequence 3, Appli
290	c	561	3	US-09-117-257-14	Sequence 14, Appl
291	c	561	3	US-09-117-257-22	Sequence 22, Appl
292	c	561	3	US-09-221-938-3	Sequence 3, Appli
293		561	3	US-09-117-257-8	Sequence 8, Appli
294	c	561	3	US-08-945-476-14	Sequence 14, Appl
295	c	561	3	US-08-945-476-22	Sequence 22, Appl
296	c	561	3	US-08-945-476-24	Sequence 24, Appl
297	c	561	4	US-09-489-352-14	Sequence 14, Appl
298	c	561	4	US-09-489-352-22	Sequence 22, Appl
299	c	561	4	US-09-489-352-24	Sequence 24, Appl
300		561	4	US-09-702-705-370	Sequence 370, App
301	c	561	4	US-09-736-457-370	Sequence 370, App
302	c	561	4	US-09-614-124B-370	Sequence 370, App
303		561	4	US-09-671-325-370	Sequence 370, App
304	c	561	4	US-09-589-184-370	Sequence 370, App

All rows above carry the constant columns `2.3` and `7`.

Table (right column)

#	c	val	n	Patent/Sequence ID	Description
305	c	562	4	US-09-404-879A-147	Sequence 147, App
306	c	562	4	US-09-338-93-147	Sequence 147, App
307	c	562	4	US-09-215-681-147	Sequence 147, App
308	c	562	4	US-09-216-003A-147	Sequence 147, App
309	c	564	3	US-09-117-257-26	Sequence 26, Appl
310	c	564	3	US-09-117-257-29	Sequence 29, Appl
311	c	564	3	US-09-117-257-43	Sequence 43, Appl
312	c	564	3	US-09-117-257-31	Sequence 31, Appl
313	c	564	3	US-08-945-476-26	Sequence 26, Appl
314	c	564	4	US-09-489-352-26	Sequence 26, Appl
315	c	564	4	US-09-489-352-29	Sequence 29, Appl
316	c	564	4	US-09-489-352-31	Sequence 31, Appl
317	c	564	4	US-09-489-352-43	Sequence 43, Appl
318	c	564	4	US-09-252-991A-13400	Sequence 13400, A
319	c	567	3	US-09-117-257-35	Sequence 35, Appl
320	c	567	3	US-09-489-352-35	Sequence 35, Appl
321	c	573	3	US-09-117-257-12	Sequence 12, Appl
322	c	573	3	US-09-117-257-12	Sequence 12, Appl
323	c	573	4	US-08-945-476-12	Sequence 12, Appl
324	c	576	3	US-09-489-352-39	Sequence 39, Appl
325	c	576	4	US-09-489-352-39	Sequence 39, Appl
326	c	577	4	US-09-021-976-3182	Sequence 3182, Ap
327	c	582	4	US-09-833-381-1250	Sequence 1250, Ap
328		589	4	US-09-833-381-752	Sequence 752, App
329		590	1	US-08-314-309A-10	Sequence 10, Appl
330		594	4	US-08-454-899G-16	Sequence 16, Appl
331		598	4	US-09-641-638-60	Sequence 60, Appl
332	c	598	4	US-09-641-638-574	Sequence 574, App
333	c	600	4	US-09-540-236-42	Sequence 42, Appl
334		604	4	US-09-621-976-910	Sequence 910, App
335		608	4	US-09-621-976-247	Sequence 247, App
336		614	4	US-08-407-620A-33	Sequence 33, Appl
337		618	4	US-09-252-991A-13615	Sequence 13615, A
338	c	619	3	US-08-896-164-51	Sequence 857, Appl
339		623	4	US-09-252-991A-857	Sequence 5, Appl
340		632	3	US-09-043-303-5	Sequence 29, Appl
341		632	1	US-08-111-080-29	Sequence 31, Appl
342		632	1	US-08-111-080-31	Sequence 31, Appl
343		632	1	US-08-211-980-31	Sequence 29, Appl
344		632	5	US-08-211-980-31	Sequence 31, Appl
345		632	1	PCT-US93-07967-29	Sequence 9, Appli
346		642	1	PCT-US93-07967-31	Sequence 9, Appli
347		642	2	US-09-609-324A-9	Sequence 9, Appli
348		642	3	US-08-920-440B-9	Sequence 15522, A
349		642	4	US-09-173-492-9	Sequence 54, Appl
350		642	4	US-09-173-133-9	Sequence 713, App
351		647	4	US-09-580-236A-9	Sequence 265, App
352	c	660	4	US-09-252-991A-15522	Sequence 79, Appl
353		663	4	US-09-669-751-54	Sequence 125, App
354		669	4	US-09-540-236-713	Sequence 52, Appl
355		678	4	US-09-280-116-265	Sequence 52, Appl
356	c	682	3	US-09-669-751-79	Sequence 52, Appl
357		682	4	US-09-601-198-125	Sequence 4, Appli
358		682	4	US-09-404-879A-52	Sequence 15, Appl
359		690	4	US-09-338-933-52	Sequence 15, Appl
360		692	4	US-09-215-681-52	Sequence 15, Appl
361		692	3	US-09-216-003A-52	Sequence 50, Appl
362		692	4	US-08-952-235-4	Sequence 626, App
363		693	4	US-09-669-971-4	Sequence 173, App
364		706	4	US-09-404-879A-15	Sequence 909, App
365		707	4	US-09-338-933-15	Sequence 639, App
366		708	4	US-09-215-681-15	Sequence 875, App
367		713	4	US-09-216-003A-15	Sequence 305, App
368		719	4	US-08-896-164-50	Sequence 220, App
369		723	4	US-09-252-991A-626	Sequence 3, Appli
370		741	4	US-09-280-116-173	Sequence 304, App
371		741	4	US-09-621-976-909	
372			4	US-09-107-532A-639	
373			4	US-09-620-312D-875	
374			4	US-09-328-475C-305	
375			4	US-09-495-050A-220	
376			4	US-09-532-856-3	
377			4	US-09-328-475C-304	

All rows above carry the constant columns `7` and `2.3`.

#	ver		Accession	cnt	Sequence		#	ver		Accession	cnt	Sequence
c 378	2.3	7	US-09-252-991A-15	4	Sequence 15, Appl		451	2.3	7	US-09-876-527-27	4	Sequence 27, Appl
379	2.3	7	US-09-524-100C-3	4	Sequence 3, Appli		452	2.3	7	US-08-751-767A-1	2	Sequence 1, Appli
380	2.3	7	US-08-036-555B-163	1	Sequence 163, App		453	2.3	7	US-09-023-655-1041	4	Sequence 1041, Ap
381	2.3	7	US-08-469-569-163	1	Sequence 163, App		454	2.3	7	US-08-414-657D-19	4	Sequence 19, Appl
382	2.3	7	US-08-249-322A-163	1	Sequence 163, App		c 455	2.3	7	US-09-252-991A-4209	4	Sequence 4209, Ap
383	2.3	7	US-08-469-526A-163	2	Sequence 163, App		c 456	2.3	7	US-09-252-991A-7585	4	Sequence 7585, Ap
384	2.3	7	US-08-734-591A-163	2	Sequence 161, App		c 457	2.3	7	US-08-808-550-1	2	Sequence 1, Appli
385	2.3	7	US-08-469-660-163	3	Sequence 163, App		c 458	2.3	7	US-08-808-550-40	4	Sequence 40, Appl
386	2.3	7	US-08-341-018-51	3	Sequence 51, Appl		459	2.3	7	US-08-032-848C-11	1	Sequence 11, Appl
387	2.3	7	US-08-470-335-163	3	Sequence 163, App		c 460	2.3	7	US-08-438-870-11	2	Sequence 11, Appl
388	2.3	7	US-08-735-021-163	3	Sequence 163, App		461	2.3	7	US-08-774-065-1	4	Sequence 1, Appli
389	2.3	7	US-08-734-664A-163	3	Sequence 163, App		c 462	2.3	7	US-09-016-434-1206	4	Sequence 1206, Ap
390	2.3	7	US-08-470-339-163	3	Sequence 163, App		c 463	2.3	7	US-09-252-991A-5437	4	Sequence 5437, Ap
391	2.3	7	US-08-467-602-163	3	Sequence 163, App		c 464	2.3	7	US-09-050-739-13	2	Sequence 13, Appl
392	2.3	7	PCT-US94-05083C-159	5	Sequence 159, App		c 465	2.3	7	US-08-671-978A-1	4	Sequence 1, Appli
393	2.3	7	PCT-US95-06846A-163	5	Sequence 163, App		c 466	2.3	7	US-09-298-886-9	2	Sequence 9, Appli
c 394	2.3	7	US-09-252-991A-16	4	Sequence 16, Appl		467	2.3	7	US-09-999-672-9	4	Sequence 9, Appli
c 395	2.3	7	US-09-252-991A-5809	4	Sequence 5809, Ap		c 468	2.3	7	US-09-252-991A-5839	4	Sequence 5839, Ap
396	2.3	7	US-09-700-820C-5	4	Sequence 5, Appl		c 469	2.3	7	US-09-522-714-15	4	Sequence 15, Appl
c 397	2.3	7	US-08-169-948B-33	2	Sequence 33, Appl		c 470	2.3	7	US-09-543-681A-1973	4	Sequence 1973, Ap
398	2.3	7	US-08-448-873-33	2	Sequence 33, Appl		471	2.3	7	US-09-620-312D-157	4	Sequence 157, App
399	2.3	7	US-08-382-452D-33	3	Sequence 33, Appl		c 472	2.3	7	US-09-620-312D-472	4	Sequence 472, App
400	2.3	7	US-08-507-362A-17	4	Sequence 17, Appl		473	2.3	7	US-09-148-545-95	4	Sequence 95, Appl
401	2.3	7	US-09-916-494A-33	4	Sequence 33, Appl		474	2.3	7	US-09-700-820C-26	4	Sequence 26, Appl
402	2.3	7	US-08-781-560-2	2	Sequence 2, Appli		c 475	2.3	7	US-09-522-714-3	4	Sequence 3, Appli
403	2.3	7	US-09-016-434-283	4	Sequence 283, App		c 476	2.3	7	US-09-107-532A-2100	4	Sequence 2100, Ap
404	2.3	7	US-09-700-820C-23	4	Sequence 23, Appl		c 477	2.3	7	US-09-949-155-5	4	Sequence 5, Appli
405	2.3	7	US-09-328-352-1912	4	Sequence 1912, Ap		c 478	2.3	7	US-09-819-964-5	4	Sequence 5, Appli
406	2.3	7	US-09-833-381-1742	4	Sequence 1742, Ap		479	2.3	7	US-09-203-958A-1	2	Sequence 1, Appli
407	2.3	7	US-07-635-196A-4	2	Sequence 4, Appl		c 480	2.3	7	US-09-700-820C-27	4	Sequence 27, Appl
408	2.3	7	US-09-328-475C-118	4	Sequence 118, App		c 481	2.3	7	US-09-522-714-9	4	Sequence 9, Appli
409	2.3	7	US-09-252-991A-12439	3	Sequence 12439, A		482	2.3	7	US-09-298-886-7	4	Sequence 7, Appli
410	2.3	7	US-08-646-265A-108	3	Sequence 108, App		483	2.3	7	US-09-999-672-7	4	Sequence 7, Appli
411	2.3	7	US-09-252-991A-15264	4	Sequence 15264, A		484	2.3	7	US-08-955-138-5	2	Sequence 5, Appli
412	2.3	7	US-09-557-309B-19	2	Sequence 19, Appl		c 485	2.3	7	US-09-489-039A-2586	4	Sequence 2586, Ap
413	2.3	7	US-08-834-306-19	3	Sequence 19, Appl		c 486	2.3	7	US-09-489-039A-2704	4	Sequence 2704, Ap
414	2.3	7	US-08-999-674A-19	3	Sequence 19, Appl		c 487	2.3	7	US-09-526-400-1	4	Sequence 1, Appli
415	2.3	7	US-09-256-976-19	3	Sequence 19, Appl		c 488	2.3	7	US-09-328-775-4	4	Sequence 4, Appli
416	2.3	7	US-08-998-416-527	2	Sequence 527, App		489	2.3	7	US-08-715-202A-4	4	Sequence 4, Appli
417	2.3	7	US-09-252-991A-10276	4	Sequence 10276, A		490	2.3	7	US-09-994-177-4	4	Sequence 4, Appli
418	2.3	7	US-09-252-991A-3425	4	Sequence 3425, Ap		c 491	2.3	7	US-09-252-991A-5386	4	Sequence 5386, Ap
419	2.3	7	US-09-252-991A-12882	4	Sequence 12882, A		492	2.3	7	US-09-328-352-3917	4	Sequence 3917, Ap
420	2.3	7	US-09-489-039A-474	4	Sequence 474, App		493	2.3	7	US-09-023-655-131	3	Sequence 131, App
421	2.3	7	US-09-252-991A-7827	4	Sequence 7827, Ap		494	2.3	7	US-09-276-531-14	4	Sequence 14, Appl
422	2.3	7	US-09-252-991A-5497	4	Sequence 5497, Ap		495	2.3	7	US-09-023-655-518	2	Sequence 518, App
423	2.3	7	US-09-022-655-1254	4	Sequence 1254, App		496	2.3	7	US-08-090-523-26	1	Sequence 26, Appl
424	2.3	7	US-09-252-991A-839	4	Sequence 839, Appl		497	2.3	7	US-08-334-639-2	2	Sequence 2, Appli
425	2.3	7	US-08-808-550-41	2	Sequence 41, Appl		498	2.3	7	US-08-398-627-26	2	Sequence 26, Appl
426	2.3	7	US-09-252-991A-12720	4	Sequence 12720, A		499	2.3	7	US-08-399-023-26	2	Sequence 26, Appl
427	2.3	7	US-09-198-603C-1	3	Sequence 1, Appli		c 500	2.3	7	US-08-471-033-39	2	Sequence 39, Appl
428	2.3	7	US-08-661-052-13	2	Sequence 13, Appl		c 501	2.3	7	US-08-471-033-42	2	Sequence 42, Appl
429	2.3	7	US-09-188-082-13	3	Sequence 13, Appl		c 502	2.3	7	US-08-471-044-39	1	Sequence 39, Appl
430	2.3	7	US-09-364-088-13	4	Sequence 13, Appl		503	2.3	7	US-08-471-044-42	1	Sequence 42, Appl
431	2.3	7	US-09-102-716-13	4	Sequence 13, Appl		504	2.3	7	US-08-463-483A-39	2	Sequence 39, Appl
432	2.3	7	US-09-540-236-252	4	Sequence 252, App		505	2.3	7	US-08-463-483A-42	2	Sequence 42, Appl
433	2.3	7	US-09-543-681A-3732	4	Sequence 3732, Ap		506	2.3	7	US-08-471-046A-39	2	Sequence 39, App
434	2.3	7	US-09-252-991A-824	4	Sequence 824, App		507	2.3	7	US-08-471-046A-42	2	Sequence 42, App
435	2.3	7	US-09-328-352-2539	4	Sequence 2539, Ap		508	2.3	7	US-08-470-566B-39	2	Sequence 39, App
436	2.3	7	US-09-540-236-474	4	Sequence 474, App		509	2.3	7	US-08-470-566B-42	2	Sequence 42, App
437	2.3	7	US-09-252-991A-3982	4	Sequence 3982, Ap		510	2.3	7	US-08-469-334-39	3	Sequence 39, Appl
438	2.3	7	US-09-489-039A-3296	4	Sequence 3296, Ap		511	2.3	7	US-08-469-334-42	3	Sequence 42, Appl
439	2.3	7	US-08-556-419-9	3	Sequence 9, Appli		512	2.3	7	US-09-300-529-39	2	Sequence 39, Appl
440	2.3	7	US-09-526-400-3	3	Sequence 3, Appl		513	2.3	7	US-09-300-529-42	4	Sequence 42, Appl
441	2.3	7	US-09-773-368-2	2	Sequence 2, Appli		514	2.3	7	US-09-489-039A-2804	4	Sequence 2804, Ap
442	2.3	7	US-09-199-887-2	3	Sequence 2, Appli		515	2.3	7	US-09-489-039A-5971	2	Sequence 5971, Ap
443	2.3	7	US-09-252-991A-16390	4	Sequence 16390, A		516	2.3	7	US-09-117-257-11	2	Sequence 11, Appl
444	2.3	7	US-09-252-991A-3259	4	Sequence 3259, A		517	2.3	7	US-08-945-476-11	3	Sequence 11, Appl
445	2.3	7	US-09-205-258-55	4	Sequence 55, Appl		518	2.3	7	US-09-489-352-11	4	Sequence 11, Appl
446	2.3	7	US-08-525-864A-3	3	Sequence 3, Appli		519	2.3	7	US-08-385-186-3	1	Sequence 3, Appli
c 447	2.3	7	US-09-252-991A-15411	4	Sequence 15411, A		c 520	2.3	7	US-09-489-039A-3298	4	Sequence 3298, Ap
c 448	2.3	7	US-09-641-638-320	4	Sequence 320, Appl		521	2.3	7	US-09-252-991A-13606	4	Sequence 13606, A
449	2.3	7	US-08-671-317-10	4	Sequence 10, Appl		522	2.3	7	US-09-252-991A-3896	4	Sequence 3896, Ap
450	2.3	7	US-08-811-481-27	4	Sequence 27, Appl		523	2.3	7	US-09-252-991A-13377	4	Sequence 13377, A

	#			Patent	n	Sequence
c	524	2.3	7	US-08-344-833-1	2	Sequence 1, Appli
c	525	2.3	7	US-09-904-615-17	4	Sequence 17, Appli
c	526	2.3	7	US-09-480-039A-6826	2	Sequence 6826, Ap
c	527	2.3	7	US-08-665-647-4	2	Sequence 4, Appli
c	528	2.3	7	US-09-985-323-1	4	Sequence 1, Appli
	529	2.3	7	US-09-833-381-1733	3	Sequence 1733, Ap
	530	2.3	7	US-09-012-072-3	4	Sequence 3, Appli
	531	2.3	7	US-09-120-601-3	2	Sequence 3, Appli
	532	2.3	7	US-08-684-687-3	4	Sequence 3, Appli
	533	2.3	7	US-09-851-520-3	4	Sequence 3, Appli
c	534	2.3	7	US-10-285-626-1	4	Sequence 1, Appli
	535	2.3	7	US-09-705-448-4	4	Sequence 4, Appli
c	536	2.3	7	US-09-252-991A-3367	4	Sequence 3367, Ap
c	537	2.3	7	US-09-543-681A-1802	4	Sequence 1802, Ap
	538	2.3	7	US-09-252-991A-5239	4	Sequence 5239, Ap
	539	2.3	7	US-09-120-601-5	3	Sequence 5, Appli
	540	2.3	7	US-09-023-655-1175	2	Sequence 1175, Ap
	541	2.3	7	US-09-252-991A-677	3	Sequence 677, App
	542	2.3	7	US-08-974-691-1	4	Sequence 14, Appli
	543	2.3	7	US-09-415-655-14	3	Sequence 45, Appli
	544	2.3	7	US-08-471-033-45	1	Sequence 45, Appli
	545	2.3	7	US-08-471-044-45	2	Sequence 45, Appli
c	546	2.3	7	US-08-463-483A-45	2	Sequence 45, Appli
	547	2.3	7	US-08-471-046A-45	2	Sequence 45, Appli
	548	2.3	7	US-08-470-566B-45	2	Sequence 45, Appli
	549	2.3	7	US-08-469-334-45	3	Sequence 45, Appli
	550	2.3	7	US-09-300-529-45	2	Sequence 45, Appli
	551	2.3	7	US-08-704-931-1	2	Sequence 1, Appli
	552	2.3	7	US-09-252-991A-3258	2	Sequence 3258, Ap
	553	2.3	7	US-09-489-039A-2259	2	Sequence 2259, Ap
	554	2.3	7	US-08-265-087-3	1	Sequence 3, Appli
	555	2.3	7	US-08-621-493-3	2	Sequence 3, Appli
	556	2.3	7	US-08-965-688-3	3	Sequence 3, Appli
	557	2.3	7	US-09-260-173-3	2	Sequence 3, Appli
c	558	2.3	7	US-09-543-681A-3545	4	Sequence 3545, Ap
	559	2.3	7	US-09-252-991A-15313	4	Sequence 15313, A
	560	2.3	7	US-09-443-184-44	3	Sequence 44, Appli
	561	2.3	7	US-08-112-817C-1	1	Sequence 1, Appli
	562	2.3	7	US-09-252-991A-13756	4	Sequence 13756, A
	563	2.3	7	US-09-695-458-21	4	Sequence 21, Appli
	564	2.3	7	US-09-205-258-225	4	Sequence 225, App
	565	2.3	7	US-08-471-033-27	1	Sequence 27, Appli
	566	2.3	7	US-08-471-044-27	4	Sequence 27, Appli
	567	2.3	7	US-08-463-483A-27	2	Sequence 27, Appli
c	568	2.3	7	US-08-471-046A-27	2	Sequence 27, Appli
	569	2.3	7	US-08-470-566B-27	2	Sequence 27, Appli
	570	2.3	7	US-08-469-334-27	3	Sequence 27, Appli
c	571	2.3	7	US-09-300-529-27	2	Sequence 27, Appli
	572	2.3	7	US-09-489-039A-2538	3	Sequence 2538, Ap
c	573	2.3	7	US-09-205-258-124	2	Sequence 124, App
	574	2.3	7	US-09-147-826B-1	2	Sequence 1, Appli
	575	2.3	7	US-09-924-703-5	3	Sequence 5, Appli
	576	2.3	7	US-09-016-434-1290	4	Sequence 1290, Ap
	577	2.3	7	US-09-702-705-322	4	Sequence 322, App
	578	2.3	7	US-09-736-457-322	3	Sequence 322, App
	579	2.3	7	US-09-252-991A-13062	4	Sequence 13062, A
	580	2.3	7	US-09-614-124B-322	2	Sequence 322, App
	581	2.3	7	US-09-671-325-322	3	Sequence 322, App
	582	2.3	7	US-09-589-184-322	2	Sequence 322, App
	583	2.3	7	US-08-471-033-24	1	Sequence 24, Appli
	584	2.3	7	US-08-471-044-24	2	Sequence 24, Appli
c	585	2.3	7	US-08-463-483A-24	2	Sequence 24, Appli
	586	2.3	7	US-08-470-566B-24	2	Sequence 24, Appli
	587	2.3	7	US-08-469-334-24	3	Sequence 24, Appli
	588	2.3	7	US-09-300-529-24	2	Sequence 24, Appli
	589	2.3	7	US-08-085-122-12	1	Sequence 12, Appli
c	590	2.3	7	US-08-442-108B-22	2	Sequence 22, Appl
	591	2.3	7	US-09-252-991A-16391	3	Sequence 16391, A
c	592	2.3	7	US-08-666-392A-1	2	Sequence 1, Appli
	593	2.3	7	US-09-199-926-1	3	Sequence 1, Appli
	594	2.3	7	US-09-364-088-15	2	Sequence 15, Appl
	595	2.3	7	US-09-252-991A-14965	2	Sequence 14965, A
	596	2.3	7	US-09-011-143-8	4	Sequence 8, Appli
	597	2.3	7	US-09-302-495-8	4	Sequence 8, Appli
	598	2.3	7	US-10-079-616-8	4	Sequence 8, Appli
c	599	2.3	7	US-09-008-962-2	2	Sequence 2, Appli
c	600	2.3	7	US-08-675-507-2	2	Sequence 2, Appli
c	601	2.3	7	US-09-213-205-2	4	Sequence 2, Appli
c	602	2.3	7	US-10-222-032-1	4	Sequence 1, Appli
c	603	2.3	7	US-09-252-991A-10581	4	Sequence 10581, A
	604	2.3	7	US-08-220-958-3	1	Sequence 3, Appli
	605	2.3	7	US-09-252-991A-7745	4	Sequence 7745, Ap
	606	2.3	7	US-09-620-312D-662	4	Sequence 662, App
	607	2.3	7	US-09-252-991A-3389	4	Sequence 3389, Ap
	608	2.3	7	US-09-205-258-21	4	Sequence 21, Appl
c	609	2.3	7	US-09-134-000C-2771	4	Sequence 2771, Ap
c	610	2.3	7	US-09-722-129-1	4	Sequence 1, Appli
c	611	2.3	7	US-09-540-236-949	4	Sequence 949, App
	612	2.3	7	US-08-318-837-6	2	Sequence 6, Appli
	613	2.3	7	US-09-252-991A-7658	4	Sequence 7658, Ap
	614	2.3	7	US-09-376-781-24	3	Sequence 24, Appl
	615	2.3	7	US-09-620-312D-366	3	Sequence 366, App
	616	2.3	7	US-09-300-672-3	3	Sequence 3, Appli
	617	2.3	7	US-09-300-672-1	4	Sequence 1, Appli
c	618	2.3	7	US-08-206-790A-22	4	Sequence 22, Appl
c	619	2.3	7	PCT-US95-02943-22	4	Sequence 22, Appl
c	620	2.3	7	US-09-612-402B-10	5	Sequence 10, Appl
	621	2.3	7	US-09-252-991A-16206	4	Sequence 16206, A
	622	2.3	7	US-09-252-991A-959	4	Sequence 959, App
c	623	2.3	7	US-09-612-402B-22	4	Sequence 22, Appl
	624	2.3	7	US-09-149-476-188	4	Sequence 188, App
c	625	2.3	7	US-09-180-783-1	3	Sequence 1, Appli
	626	2.3	7	US-08-820-170A-20	2	Sequence 20, Appl
	627	2.3	7	US-09-055-699-20	3	Sequence 20, Appl
	628	2.3	7	US-09-273-565-20	4	Sequence 20, Appl
c	629	2.3	7	US-09-565-538-20	4	Sequence 20, Appl
	630	2.3	7	US-09-661-468-20	4	Sequence 20, Appl
c	631	2.3	7	US-09-976-165-20	4	Sequence 20, Appl
c	632	2.3	7	US-09-489-039A-5091	4	Sequence 5091, Ap
c	633	2.3	7	US-08-722-570-12	4	Sequence 12, Appl
	634	2.3	7	US-08-932-411A-12	4	Sequence 12, Appl
c	635	2.3	7	US-09-507-765-29	4	Sequence 29, Appl
	636	2.3	7	US-09-252-991A-14667	4	Sequence 14667, A
c	637	2.3	7	US-09-507-765-28	4	Sequence 28, Appl
	638	2.3	7	US-09-252-991A-3217	4	Sequence 3217, Ap
	639	2.3	7	US-09-700-820C-30	4	Sequence 30, Appl
	640	2.3	7	US-09-656-952-18	4	Sequence 18, Appl
	641	2.3	7	US-10-037-927B-11	5	Sequence 11, Appl
	642	2.3	7	PCT-US95-11405-34	4	Sequence 34, Appl
	643	2.3	7	US-09-656-952-17	4	Sequence 17, Appl
c	644	2.3	7	US-09-656-952-1	4	Sequence 1, Appli
	645	2.3	7	US-08-815-668A-2	2	Sequence 2, Appli
c	646	2.3	7	US-08-308-814-1	1	Sequence 1, Appli
	647	2.3	7	US-08-410-540-1	3	Sequence 1, Appli
	648	2.3	7	US-09-388-413B-5	4	Sequence 5, Appli
	649	2.3	7	US-09-014-969-18	2	Sequence 18, Appl
c	650	2.3	7	US-09-252-991A-1994	4	Sequence 1994, Ap
	651	2.3	7	US-09-107-532A-515	3	Sequence 515, App
c	652	2.3	7	US-09-023-655-515	4	Sequence 515, App
	653	2.3	7	US-09-072-384-1	3	Sequence 1, Appli
	654	2.3	7	US-09-484-970B-20	4	Sequence 20, Appl
	655	2.3	7	US-09-907-794A-260	4	Sequence 260, App
	656	2.3	7	US-09-905-125A-260	4	Sequence 260, App
	657	2.3	7	US-09-902-775A-260	4	Sequence 260, App
c	658	2.3	7	US-08-659-254-19	3	Sequence 19, Appl
	659	2.3	7	US-08-974-691-5	4	Sequence 5, Appli
	660	2.3	7	US-09-345-469-2	3	Sequence 2, Appli
c	661	2.3	7	US-09-072-384-14	4	Sequence 14, Appl
	662	2.3	7	US-09-461-325-129	3	Sequence 129, App
	663	2.3	7	US-10-012-542-129	4	Sequence 129, App
	664	2.3	7	US-09-700-820C-21	4	Sequence 21, Appl
	665	2.3	7	US-09-543-681A-2434	2	Sequence 2434, Ap
c	666	2.3	7	US-08-661-052-15	3	Sequence 15, Appl
	667	2.3	7	US-09-072-384-17	4	Sequence 17, Appl
	668	2.3	7	US-09-188-082-15	3	Sequence 15, Appl
	669	2.3	7	US-09-102-716-15	4	Sequence 15, Appl

Left column

#	c			num	Reference	n	Description
670		2.3	r	1683	US-07-945-283-3	1	Sequence 3, Appli
671	c	2.3	r	1685	5340934-1	6	Patent No. 5340934
672		2.3	r	1690	US-09-071-224-1	4	Sequence 3, Appli
673		2.3	r	1692	US-09-600-991-3	4	Sequence 1, Appli
674	c	2.3	r	1694	US-09-362-473-3	4	Sequence 3, Appli
675		2.3	r	1696	US-09-835-811-1	4	Sequence 10, Appl
676		2.3	r	1703	US-09-851-520-10	1	Sequence 1122, Ap
677		2.3	r	1707	US-09-252-991A-1122	4	Sequence 2794, Ap
678	c	2.3	r	1707	US-09-543-681A-2794	4	Sequence 21, Appl
679		2.3	r	1709	US-09-600-991-21	4	Sequence 159, Appl
680		2.3	r	1711	US-09-620-312D-159	4	Sequence 1, Appli
681	c	2.3	r	1713	US-09-741-154-1	4	Sequence 98, Appl
682	c	2.3	r	1723	US-09-461-325-98	4	Sequence 98, Appl
683		2.3	r	1723	US-10-012-542-98	4	Sequence 5465, Ap
684		2.3	r	1743	US-09-252-991A-5465	4	Sequence 1, Appli
685		2.3	r	1747	US-08-176-620A-1	1	Sequence 1, Appli
686		2.3	r	1747	US-08-461-885-1	2	Sequence 1, Appli
687		2.3	r	1747	US-08-458-887-1	3	Sequence 1, Appli
688		2.3	r	1747	US-08-932-787B-1	3	Sequence 1, Appli
689		2.3	r	1747	US-08-932-012C-1	3	Sequence 1, Appli
690		2.3	r	1747	US-08-888-818C-1	4	Sequence 1, Appli
691		2.3	r	1748	US-09-100-730-1	3	Sequence 1, Appli
692		2.3	r	1751	US-09-855-323-11	4	Sequence 11, Appl
693		2.3	r	1757	US-08-216-592A-3	4	Sequence 3, Appli
694		2.3	r	1767	US-09-252-991A-14785	4	Sequence 14785, A
695		2.3	r	1776	US-09-252-991A-4380	4	Sequence 4380, Ap
696		2.3	r	1790	US-09-866-028-31	4	Sequence 31, Appl
697		2.3	r	1794	US-09-252-991A-5181	4	Sequence 5181, Ap
698		2.3	r	1809	US-08-455-001-1	1	Sequence 1, Appli
699		2.3	r	1809	PCT-US95-11869-1	5	Sequence 1, Appli
700		2.3	r	1825	US-09-907-794A-1	1	Sequence 1, Appli
701		2.3	r	1825	US-09-412-289-1	1	Sequence 1, Appli
702		2.3	r	1825	US-09-905-125A-1	1	Sequence 1, Appli
703		2.3	r	1825	US-09-902-775A-1	1	Sequence 1, Appli
704	c	2.3	r	1831	5215881-1	6	Patent No. 5215881
705	c	2.3	r	1831	5215881-3	6	Patent No. 5215881
706	c	2.3	r	1839	US-08-272-875-1	1	Sequence 1, Appli
707	c	2.3	r	1839	US-08-272-875-2	2	Sequence 2, Appli
708		2.3	r	1851	US-08-414-657D-20	4	Sequence 20, Appl
709		2.3	r	1851	US-08-135-080-5	5	Sequence 5, Appli
710		2.3	r	1854	US-09-252-991A-5747	4	Sequence 5747, Ap
711		2.3	r	1854	US-09-252-991A-5747	4	Sequence 5747, Ap
712		2.3	r	1866	US-09-909-742-1	3	Sequence 1, Appli
713		2.3	r	1866	US-08-909-742-1	3	Sequence 1, Appli
714		2.3	r	1866	US-09-412-289-1	1	Sequence 1, Appli
715		2.3	r	1866	US-09-412-289-1	1	Sequence 1, Appli
716		2.3	r	1867	US-08-943-731-111	4	Sequence 111, App
717		2.3	r	1875	US-09-907-794A-284	4	Sequence 284, App
718		2.3	r	1875	US-09-905-125A-284	4	Sequence 284, App
719		2.3	r	1875	US-09-902-775A-284	4	Sequence 284, App
720		2.3	r	1878	US-09-252-991A-9765	4	Sequence 9765, Ap
721		2.3	r	1878	US-09-620-312D-263	4	Sequence 263, Appl
722		2.3	r	1883	US-09-700-820C-34	4	Sequence 34, Appl
723		2.3	r	1883	US-08-991-677-3	3	Sequence 3, Appli
724		2.3	r	1883	US-08-622-191-4	4	Sequence 4, Appli
725		2.3	r	1885	US-08-622-191-4	4	Sequence 4, Appli
726		2.3	r	1890	US-09-023-655-1008	4	Sequence 1008, Ap
727		2.3	r	1890	US-09-360-545-77	4	Sequence 77, Appl
728		2.3	r	1893	US-09-657-252-3	3	Sequence 3, Appli
729		2.3	r	1909	US-09-461-657B-16	4	Sequence 16, Appl
730		2.3	r	1920	US-09-160-496-4	4	Sequence 4, Appli
731		2.3	r	1920	US-09-700-820C-39	4	Sequence 39, Appl
732		2.3	r	1926	US-09-249-585A-2	4	Sequence 2, Appli
733		2.3	r	1926	US-09-249-585A-4	4	Sequence 4, Appli
734		2.3	r	1929	US-09-410-399-3	3	Sequence 3, Appli
735		2.3	r	1929	US-09-380-420C-1	1	Sequence 1, Appli
736		2.3	r	1931	US-09-899-642A-1	4	Sequence 1, Appli
737		2.3	r	1931	US-09-130-114-2	2	Sequence 2, Appli
738		2.3	r	1941	US-09-008-960-2	2	Sequence 2, Appli
739		2.3	r	1941	US-09-368-240-2	3	Sequence 2, Appli
740		2.3	r	1941	US-09-468-702-2	2	Sequence 2, Appli
741		2.3	r	1947	US-09-989-925-2	2	Sequence 2, Appli
742		2.3	r	1951	US-09-205-258-27	4	Sequence 27, Appl

Right column

#	c			num	Reference	n	Description
743		2.3	r	1960	US-09-620-312D-764	4	Sequence 764, App
744		2.3	r	1977	US-09-252-991A-3924	4	Sequence 3924, Ap
745	c	2.3	r	2000	US-09-376-781-25	3	Sequence 25, Appl
746	c	2.3	r	2000	US-09-376-781-30	3	Sequence 30, Appl
747		2.3	r	2003	US-08-036-555B-21	1	Sequence 21, Appl
748		2.3	r	2003	US-08-469-569-21	1	Sequence 21, Appli
749		2.3	r	2003	US-08-249-322A-21	1	Sequence 21, Appl
750		2.3	r	2003	US-08-469-526A-21	2	Sequence 21, Appl
751		2.3	r	2003	US-08-734-591A-21	2	Sequence 21, Appl
752		2.3	r	2003	US-08-469-660-21	2	Sequence 21, Appl
753		2.3	r	2003	US-08-341-018-71	3	Sequence 71, Appl
754		2.3	r	2003	US-08-470-335-21	3	Sequence 21, Appl
755		2.3	r	2003	US-08-735-021-21	3	Sequence 21, Appl
756		2.3	r	2003	US-08-734-664A-21	3	Sequence 21, Appl
757		2.3	r	2003	US-08-470-339-21	3	Sequence 21, Appl
758		2.3	r	2003	US-08-467-602-21	4	Sequence 21, Appl
759		2.3	r	2003	PCT-US94-05083C-21	5	Sequence 21, Appl
760		2.3	r	2007	PCT-US95-06846A-21	5	Sequence 3308, Ap
761		2.3	r	2010	US-09-252-991A-3308	4	Sequence 5770, Ap
762		2.3	r	2017	US-09-252-991A-5770	4	Sequence 15223, A
763		2.3	r	2017	US-09-252-991A-15223	4	Sequence 72, Appl
764		2.3	r	2017	US-09-404-879A-72	4	Sequence 72, Appl
765		2.3	r	2019	US-09-338-933-72	4	Sequence 72, Appl
766		2.3	r	2022	US-09-215-681-72	4	Sequence 72, Appl
767		2.3	r	2029	US-09-216-003A-72	4	Sequence 72, Appl
768		2.3	r	2036	US-09-063-950-3	3	Sequence 3, Appli
769	c	2.3	r	2037	US-09-023-655-416	4	Sequence 416, App
770		2.3	r	2037	US-09-232-160-13	4	Sequence 13, Appli
771		2.3	r	2037	US-08-923-454A-17	1	Sequence 17, Appl
772		2.3	r	2037	US-08-143-497-4	1	Sequence 4, Appli
773		2.3	r	2041	US-08-461-666-4	4	Sequence 4, Appli
774		2.3	r	2050	US-08-461-184-4	1	Sequence 4, Appli
775		2.3	r	2070	US-08-463-675-4	1	Sequence 4, Appli
776		2.3	r	2072	US-08-757-300-4	1	Sequence 4, Appli
777		2.3	r	2085	US-08-464-589-4	1	Sequence 131, App
778		2.3	r	2085	US-09-149-476-131	4	Sequence 5, Appli
779	c	2.3	r	2091	US-09-026-001A-5	4	Sequence 15219, A
780		2.3	r	2097	US-09-252-991A-15219	4	Sequence 958, App
781		2.3	r	2103	US-09-620-312D-958	4	Sequence 1791, Ap
782		2.3	r	2121	US-09-833-381-1791	4	Sequence 5708, Ap
783		2.3	r	2130	US-09-252-991A-5708	4	Sequence 5708, Ap
784		2.3	r	2136	US-09-252-991A-5708	4	Sequence 4016, Ap
785		2.3	r	2136	US-09-252-991A-4016	4	Sequence 14, Appl
786		2.3	r	2145	US-09-461-657B-14	4	Sequence 2730, Ap
787		2.3	r	2150	US-09-543-681A-2730	4	Sequence 5009, Ap
788		2.3	r	2166	US-09-489-039A-5009	4	Sequence 1, Appli
789		2.3	r	2166	US-07-952-800-1	1	Sequence 13089, A
790		2.3	r	2166	US-09-252-991A-13089	4	Sequence 19, Appl
791		2.3	r	2178	US-09-600-991-19	4	Sequence 13235, A
792	c	2.3	r	2188	US-09-252-991A-13235	4	Sequence 1, Appli
793		2.3	r	2190	US-08-318-837-1	2	Sequence 101, App
794		2.3	r	2190	US-09-232-200-101	4	Sequence 101, App
795		2.3	r	2200	US-09-232-197-101	4	Sequence 101, App
796		2.3	r	2205	US-09-232-201-101	4	Sequence 101, App
797		2.3	r	2208	US-09-232-195-101	4	Sequence 4641, Ap
798	c	2.3	r	2214	US-09-252-991A-4641	4	Sequence 698, Appl
799		2.3	r	2216	US-09-976-594-698	4	Sequence 1, Appli
800		2.3	r	2232	US-09-729-995-1	1	Sequence 1, Appli
801	c	2.3	r	2232	US-10-135-689-1	1	Sequence 5, Appli
802	c	2.3	r	2247	US-08-819-825-1	1	Sequence 1, Appli
803		2.3	r	2256	US-09-163-642-1	1	Sequence 2, Appli
804	c	2.3	r	2256	US-08-888-077A-41	3	Sequence 41, Appl
805		2.3	r	2260	US-09-620-312D-502	3	Sequence 502, App
806		2.3	r	2262	US-08-864-038A-1	3	Sequence 1, Appli
807		2.3	r		US-08-666-082B-2	2	Sequence 2, Appli
808		2.3	r		US-08-334-177-1	1	Sequence 1, Appli
809		2.3	r		PCT-US95-13830-1	5	Sequence 1, Appli
810		2.3	r		US-09-023-655-1410	4	Sequence 1410, Ap
811		2.3	r		US-07-794-393-1	1	Sequence 1, Appli
812		2.3	r		US-08-001-711-1	1	Sequence 1, Appli
813		2.3	r		US-07-794-393-3	3	Sequence 3, Appli
814		2.3	r		US-08-001-711-3	3	Sequence 3, Appli
815	c	2.3	r		US-09-389-956-5	4	Sequence 5, Appli

Left column block (entries 816–887):

No.		1	2.3	Idx	n	Reference	Entry
816		1	2.3	2268	4	US-09-620-312D-909	Sequence 909, Appl
817		1	2.3	2290	4	US-09-131-648-4	Sequence 4, Appli
818	c	1	2.3	2292	3	US-09-252-991A-15245	Sequence 15245, A
819		1	2.3	2298	4	US-09-252-991A-845	Sequence 845, App
820	c	1	2.3	2298	4	US-09-023-655-1158	Sequence 1158, Ap
821	c	1	2.3	2310	4	PCT-US95-07744A-4	Sequence 4, Appli
822	c	1	2.3	2310	5	US-08-261-822A-4	Sequence 4, Appli
823		1	2.3	2313	2	US-08-892-880-1	Sequence 1, Appli
824		1	2.3	2313	4	US-09-370-838-157	Sequence 157, Appl
825	c	1	2.3	2322	4	US-09-841-786-13	Sequence 13, Appl
826	c	1	2.3	2323	4	US-09-543-681A-3270	Sequence 3270, Ap
827		1	2.3	2355	2	US-07-862-588B-3	Sequence 3, Appli
828	c	1	2.3	2358	3	US-09-022-983-1	Sequence 1, Appli
829		1	2.3	2360	4	US-09-490-692-10	Sequence 10, Appl
830	c	1	2.3	2367	3	US-09-252-991A-809	Sequence 809, App
831		1	2.3	2372	4	US-09-907-794A-200	Sequence 200, App
832		1	2.3	2372	4	US-09-905-125A-200	Sequence 200, App
833		1	2.3	2372	4	US-09-902-775A-200	Sequence 200, App
834		1	2.3	2392	4	US-09-220-132-7	Sequence 7, Appli
835		1	2.3	2397	6	5217865-1	Patent No. 5217865
836		1	2.3	2402	7	5475095-1	Patent No. 5475095
837		1	2.3	2404	4	US-09-833-381-849	Sequence 849, App
838		1	2.3	2404	4	US-09-833-381-853	Sequence 853, App
839		1	2.3	2406	4	US-09-252-991A-12703	Sequence 12703, A
840		1	2.3	2435	4	US-09-634-238-131	Sequence 131, App
841		1	2.3	2439	3	US-09-233-989-1	Sequence 1, Appli
842		1	2.3	2443	2	US-08-452-262-1	Sequence 1, Appli
843		1	2.3	2443	1	US-08-734-550-1	Sequence 1, Appli
844		1	2.3	2458	5	PCT-US96-07528-1	Sequence 6, Appli
845		1	2.3	2461	4	US-09-620-312D-350	Sequence 350, App
846	c	1	2.3	2487	4	US-09-107-532A-537	Sequence 537, App
847		1	2.3	2508	4	US-09-758-282B-48	Sequence 48, Appl
848		1	2.3	2508	4	US-09-758-282B-242	Sequence 242, App
849		1	2.3	2526	4	US-09-758-282B-258	Sequence 258, App
850		1	2.3	2526	4	US-09-758-282B-262	Sequence 262, App
851		1	2.3	2547	4	US-09-252-991A-5294	Sequence 5294, Ap
852		1	2.3	2547	4	US-09-866-028-68	Sequence 68, Appl
853		1	2.3	2555	4	US-09-220-132-135	Sequence 135, App
854	c	1	2.3	2559	4	US-08-146-421-4	Sequence 4, Appli
855		1	2.3	2562	1	US-09-050-863-2	Sequence 2, Appli
856		1	2.3	2580	4	US-09-359-081-2	Sequence 2, Appli
857		1	2.3	2580	4	US-08-816-105A-2	Sequence 2, Appli
858		1	2.3	2591	2	US-09-023-655-1000	Sequence 1000, Ap
859	c	1	2.3	2591	4	US-09-252-991A-12851	Sequence 12851, A
860	c	1	2.3	2616	4	US-09-023-655-1083	Sequence 1083, Ap
861		1	2.3	2621	4	US-08-817-441-63	Sequence 63, Appl
862		1	2.3	2631	2	US-08-820-170A-21	Sequence 21, Appl
863		1	2.3	2636	4	US-09-055-699-21	Sequence 21, Appl
864		1	2.3	2636	3	US-09-273-565-21	Sequence 21, Appl
865		1	2.3	2636	3	US-09-370-807-5	Sequence 5, Appli
866		1	2.3	2636	4	US-09-565-538-21	Sequence 21, Appl
867	c	1	2.3	2636	4	US-09-661-468-21	Sequence 21, Appl
868		1	2.3	2636	4	US-09-921-259-5	Sequence 5, Appli
869		1	2.3	2639	4	US-09-976-165-21	Sequence 21, Appl
870	c	1	2.3	2639	4	US-09-907-794A-68	Sequence 68, Appl
871		1	2.3	2639	4	US-09-905-125A-68	Sequence 68, Appl
872		1	2.3	2639	4	US-09-902-775A-68	Sequence 68, Appl
873	c	1	2.3	2653	2	US-08-589-711-1	Sequence 1, Appli
874		1	2.3	2653	3	US-09-221-938-1	Sequence 1, Appli
875	c	1	2.3	2655	4	US-08-945-476-7	Sequence 7, Appli
876		1	2.3	2655	4	US-09-252-991A-10136	Sequence 10136, A
877		1	2.3	2656	3	US-09-117-257-7	Sequence 7, Appli
878	c	1	2.3	2656	4	US-09-489-352-7	Sequence 7, Appli
879		1	2.3	2709	4	US-09-252-991A-3326	Sequence 3326, Ap
880		1	2.3	2721	4	US-09-252-991A-4237	Sequence 4237, Ap
881	c	1	2.3	2724	4	US-09-252-991A-263	Sequence 263, App
882		1	2.3	2724	4	US-09-170-496D-277	Sequence 277, App
883		1	2.3	2760	4	US-09-486-192-1	Sequence 1, Appli
884		1	2.3	2778	4	US-09-252-991A-10486	Sequence 10486, A
885	c	1	2.3	2790	3	US-08-895-601-2	Sequence 2, Appli
886		1	2.3	2795	4	US-08-688-188B-25	Sequence 25, Appl
887	c	1	2.3	2795	4	US-09-291-417D-25	Sequence 25, Appl
888	c	1	2.3				

Right column block (entries 889–961):

No.		1	2.3	Idx	n	Reference	Entry
889		1	2.3	2799	4	US-09-461-657B-11	Sequence 11, Appl
890		1	2.3	2852	3	US-09-063-950-1	Sequence 1, Appli
891	c	1	2.3	2896	4	US-09-266-225D-9	Sequence 9, Appli
892	c	1	2.3	2905	4	US-09-468-578-3	Sequence 3, Appli
893		1	2.3	2905	3	US-09-868-839-3	Sequence 3, Appli
894		1	2.3	2943	2	US-08-548-159-2	Sequence 2, Appli
895	c	1	2.3	2949	4	US-09-556-877-170	Sequence 170, App
896	c	1	2.3	2949	4	US-09-620-412C-170	Sequence 170, App
897		1	2.3	2949	4	US-09-598-419-170	Sequence 170, App
898	c	1	2.3	2962	4	US-09-688-188B-106	Sequence 106, App
899		1	2.3	2962	4	US-09-291-417D-106	Sequence 106, App
900		1	2.3	2987	3	US-07-757-342D-1	Sequence 1, Appli
901		1	2.3	2987	4	US-09-461-657B-1	Sequence 1, Appli
902		1	2.3	2994	4	US-08-548-159-4	Sequence 4, Appli
903		1	2.3	3000	3	US-08-460-269C-3	Sequence 3, Appli
904	c	1	2.3	3000	3	US-08-460-269C-5	Sequence 5, Appli
905		1	2.3	3001	4	US-09-539-333D-229	Sequence 229, App
906		1	2.3	3010	3	US-09-199-637A-168	Sequence 168, App
907	c	1	2.3	3021	4	US-09-556-877-182	Sequence 182, App
908		1	2.3	3021	4	US-09-620-412C-182	Sequence 182, App
909	c	1	2.3	3026	4	US-09-598-419-182	Sequence 182, App
910		1	2.3	3026	4	US-09-458-457-7	Sequence 7, Appli
911		1	2.3	3037	4	US-09-947-199A-7	Sequence 7, Appli
912		1	2.3	3117	2	US-08-938-365-1	Sequence 1, Appli
913		1	2.3	3141	4	US-09-146-580-6	Sequence 6, Appli
914		1	2.3	3150	4	US-09-845-583A-3	Sequence 3, Appli
915		1	2.3	3169	3	US-09-252-991A-3348	Sequence 3348, Ap
916		1	2.3	3169	3	US-09-630-820-5	Sequence 5, Appli
917		1	2.3	3171	4	US-09-273-453-5	Sequence 5, Appli
918	c	1	2.3	3172	1	US-09-169-768-19	Sequence 19, Appl
919		1	2.3	3200	4	US-08-314-309A-1	Sequence 1, Appli
920		1	2.3	3211	2	US-08-884-569A-1	Sequence 1, Appli
921		1	2.3	3211	3	US-08-574-959A-8	Sequence 8, Appli
922	c	1	2.3	3223	2	US-09-357-014-8	Sequence 8, Appli
923		1	2.3	3223	3	US-08-620-694A-9	Sequence 9, Appli
924		1	2.3	3223	3	US-09-022-255-9	Sequence 9, Appli
925		1	2.3	3223	3	US-09-022-696-9	Sequence 9, Appli
926		1	2.3	3223	3	US-08-978-773-3	Sequence 3, Appli
927		1	2.3	3223	3	US-09-022-253-9	Sequence 9, Appli
928		1	2.3	3223	3	US-09-022-260-9	Sequence 9, Appli
929		1	2.3	3223	3	US-09-022-257-9	Sequence 9, Appli
930		1	2.3	3223	3	US-09-022-259-9	Sequence 9, Appli
931		1	2.3	3223	4	US-09-549-679-9	Sequence 9, Appli
932		1	2.3	3252	4	US-09-328-352-1367	Sequence 1367, Ap
933		1	2.3	3255	4	US-09-016-434-1471	Sequence 1471, Ap
934	c	1	2.3	3287	4	US-08-811-481-15	Sequence 15, Appl
935		1	2.3	3287	5	US-09-876-527-15	Sequence 15, Appl
936		1	2.3	3291	4	PCT-US96-03940-10	Sequence 10, Appl
937		1	2.3	3304	4	US-09-919-172-63	Sequence 63, Appl
938	c	1	2.3	3304	4	US-09-612-402B-24	Sequence 24, Appl
939		1	2.3	3331	3	US-08-864-038A-2	Sequence 2, Appli
940		1	2.3	3331	4	US-08-864-038A-4	Sequence 4, Appli
941		1	2.3	3337	1	US-08-072-610-1	Sequence 1, Appli
942	c	1	2.3	3337	2	US-08-719-822B-1	Sequence 1, Appli
943	c	1	2.3	3339	4	US-09-092-458-1	Sequence 1, Appli
944	c	1	2.3	3343	4	US-09-252-991A-10685	Sequence 10685, A
945		1	2.3	3354	2	US-09-503-890-1	Sequence 1, Appli
946	c	1	2.3	3358	4	US-09-612-402B-23	Sequence 23, Appl
947		1	2.3	3378	1	US-08-469-537A-104	Sequence 104, App
948	c	1	2.3	3387	5	US-09-513-783A-151	Sequence 151, App
949	c	1	2.3	3441	4	US-08-261-822A-5	Sequence 5, Appli
950	c	1	2.3	3481	3	PCT-US95-07744A-5	Sequence 5, Appli
951		1	2.3	3546	4	US-08-525-864A-1	Sequence 1, Appli
952		1	2.3	3566	3	US-08-965-729A-1	Sequence 1, Appli
953		1	2.3	3566	4	US-09-976-594-126	Sequence 126, App
954		1	2.3	3575	2	US-08-389-421-32	Sequence 32, Appl
955		1	2.3	3608	4	US-09-389-528-32	Sequence 32, Appl
956		1	2.3	3611	3	US-09-181-827A-32	Sequence 32, Appl
957	c	1	2.3	3635	1	US-09-023-655-1395	Sequence 1395, Ap
958		1	2.3	3650	2	US-09-016-434-1408	Sequence 1408, Ap
959		1	2.3			US-09-976-594-1109	Sequence 1109, Ap
960	c	1	2.3			US-08-252-626A-1	Sequence 1, Appli
961	c	1	2.3			US-08-859-106A-1	Sequence 1, Appli

```
c  962   2.3  7  3705  5  PCT-US96-03940-7      Sequence 7, Appli
c  963   2.3  7  3717  1  US-08-026-138E-7      Sequence 7, Appli
c  964   2.3  7  3805  3  US-09-513-729B-10     Sequence 10, Appl
c  965   2.3  7  3805  4  US-09-023-655-1443    Sequence 1443, Ap
c  966   2.3  7  3807  4  US-09-645-456A-8      Sequence 8, Appli
c  967   2.3  7  3807  4  US-09-425-324A-8      Sequence 8, Appli
c  968   2.3  7  3807  4  US-09-645-791-8       Sequence 8, Appli
c  969   2.3  7  3831  4  US-09-645-456A-5      Sequence 5, Appli
c  970   2.3  7  3831  4  US-09-425-324A-5      Sequence 5, Appli
c  971   2.3  7  3831  4  US-09-645-791-5       Sequence 5, Appli
c  972   2.3  7  3887  4  US-09-976-594-660     Sequence 660, App
c  973   2.3  7  3894  4  US-09-645-456A-7      Sequence 7, Appli
c  974   2.3  7  3894  4  US-09-425-324A-7      Sequence 7, Appli
c  975   2.3  7  3894  4  US-09-645-791-7       Sequence 7, Appli
c  976   2.3  7  3901  3  US-08-574-959A-6      Sequence 6, Appli
c  977   2.3  7  3901  3  US-09-357-014-6       Sequence 6, Appli
c  978   2.3  7  3918  4  US-09-645-456A-3      Sequence 3, Appli
c  979   2.3  7  3918  4  US-09-425-324A-3      Sequence 3, Appli
c  980   2.3  7  3918  4  US-09-645-791-3       Sequence 3, Appli
c  981   2.3  7  3942  2  US-09-601-198-50      Sequence 50, Appl
c  982   2.3  7  3960  2  US-08-470-260-2       Sequence 2, Appli
c  983   2.3  7  3960  3  US-08-471-491-2       Sequence 2, Appli
c  984   2.3  7  3960  3  US-08-466-662-2       Sequence 2, Appli
c  985   2.3  7  3972  4  US-09-645-456A-6      Sequence 6, Appli
c  986   2.3  7  3972  4  US-09-425-324A-6      Sequence 6, Appli
c  987   2.3  7  3972  4  US-09-645-791-6       Sequence 6, Appli
c  988   2.3  7  3979  4  US-09-085-199B-10     Sequence 10, Appl
c  989   2.3  7  3996  4  US-09-645-456A-2      Sequence 2, Appli
c  990   2.3  7  3996  4  US-09-425-324A-2      Sequence 2, Appli
c  991   2.3  7  3996  4  US-09-645-791-2       Sequence 2, Appli
c  992   2.3  7  4016  1  US-08-410-540-3       Sequence 3, Appli
c  993   2.3  7  4020  3  US-09-050-159-130     Sequence 130, App
c  994   2.3  7  4020  3  US-09-023-655-1003    Sequence 1003, Ap
c  995   2.3  7  4024  3  US-09-162-484-18      Sequence 18, Appl
c  996   2.3  7  4031  1  US-08-471-033-49      Sequence 49, Appl
c  997   2.3  7  4031  2  US-08-471-044-49      Sequence 49, Appl
c  998   2.3  7  4031  2  US-08-463-483A-49     Sequence 49, Appl
c  999   2.3  7  4031  2  US-08-471-046A-49     Sequence 49, Appl
c1000    2.3  7  4031  2  US-08-470-566B-49     Sequence 49, Appl
```

ALIGNMENTS

RESULT 1:
US-10-027-983-11
; Sequence 11, Application US/10027983
; Patent No. 6617162
; GENERAL INFORMATION:
; APPLICANT: Kenneth W. Dobie
; APPLICANT: Mark P. Roach
; TITLE OF INVENTION: ANTISENSE MODULATION OF ESTROGEN RECEPTOR ALPHA EXPRESSION
; FILE REFERENCE: RTS-0340
; CURRENT APPLICATION NUMBER: US/10/027,983
; CURRENT FILING DATE: 2001-12-18
; NUMBER OF SEQ ID NOS: 98
SEQ ID NO 11
; LENGTH: 392000
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 137740
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 137742
; OTHER INFORMATION: unknown
; NAME/KEY: misc_feature
; LOCATION: (138122)...(138221)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: unsure
; LOCATION: 145507
; OTHER INFORMATION: unknown
; NAME/KEY: ...

; LOCATION: 151967
; OTHER INFORMATION: unknown
; NAME/KEY: misc_feature
; LOCATION: (151967)...(1542066)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: unsure
; LOCATION: 154217
; OTHER INFORMATION: unknown
; NAME/KEY: misc_feature
; LOCATION: (164037)...(164136)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc_feature
; LOCATION: (174657)...(174756)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc_feature
; LOCATION: (186224)...(186323)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc_feature
; LOCATION: (195242)...(195341)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: unsure
; LOCATION: 202703
; OTHER INFORMATION: unknown
; NAME/KEY: misc_feature
; LOCATION: (202771)...(202870)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc_feature
; LOCATION: (206246)...(215602)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc_feature
; LOCATION: (218126)...(218225)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc_feature
; LOCATION: (220360)...(220459)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc_feature
; LOCATION: (222717)...(222816)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc_feature
; LOCATION: (223981)...(224080)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc_feature
; LOCATION: (227487)...(227586)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc_feature
; LOCATION: (230157)...(230256)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc_feature
; LOCATION: (232299)...(232398)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc_feature
; LOCATION: (236552)...(2366651)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc_feature
; LOCATION: (238789)...(248788)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: exon
; LOCATION: (118288)...(119101)
; OTHER INFORMATION: exon 1C
; NAME/KEY: exon:intron junction
; LOCATION: (151129)...(151130)
; OTHER INFORMATION: exon 5:intron 5
; NAME/KEY: exon:intron junction
; LOCATION: (299248)...(299249)
; OTHER INFORMATION: exon 9:intron 9
; NAME/KEY: exon:intron junction
; LOCATION: (348578)...(348579)
; OTHER INFORMATION: exon 10:intron 10
; NAME/KEY: intron
; LOCATION: (348579)...(381838)
; OTHER INFORMATION: intron 10
; NAME/KEY: intron:exon junction

; OTHER INFORMATION: intron 11:exon 12
US-10-027-983-11

```
Alignment Scores:
Pred. No.:                 7.57e+03     Length:          392000
Score:                     9.00         Matches:         9
Percent Similarity:        100.00%      Conservative:    0
Best Local Similarity:     100.00%      Mismatches:      0
Query Match:               2.97%        Indels:          0
DB:                        4            Gaps:            0
```

US-10-047-021-86 (1-303) x US-10-027-983-11 (1-392000)

```
Qy      14 SerLeuProLeuLeuLeuLeuLeuIle 22
           |||||||||||||||||||||||
Db  250555 TCCCTTCTTTGCTCTTGCTCTTGATT 250581
```

RESULT 2
US-09-016-434-278/c
; Sequence 278, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 278:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 280 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: UCMCNOT02
; CLONE: 1714778
US-09-016-434-278

```
Alignment Scores:
Pred. No.:                 63.7         Length:          280
Score:                     8.00         Matches:         8
Percent Similarity:        100.00%      Conservative:    0
Best Local Similarity:     100.00%      Mismatches:      0
Query Match:               2.64%        Indels:          0
DB:                        4            Gaps:            0
```

US-10-047-021-86 (1-303) x US-09-016-434-278 (1-280)

```
Qy      16 ProLeuLeuLeuLeuLeuIleMet 23
           ||||||||||||||||||||||
Db     140 CCTCTTCTGCTTCTCTTAATAATG 117
```

RESULT 3
US-09-173-151A-5/c
; Sequence 5, Application US/09173151A
; Patent No. 6326472
; GENERAL INFORMATION:
; APPLICANT: Timans, Jacqueline C.
; APPLICANT: Debets, Johannes Eduard Maria
; APPLICANT: Antonius
; APPLICANT: Sana, Theodore R.
; APPLICANT: Bazan, J. Fernando
; APPLICANT: Kastelein, Robert A.
; TITLE OF INVENTION: Human Receptor Proteins; Related Reagents and Methods
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DNAX Research Institute
; STREET: 901 California Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304-1104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/173,151A
; FILING DATE: 14-OCT-1998
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/065,776
; FILING DATE: 17-NOV-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/078,008
; FILING DATE: 12-MAR-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/081,883
; FILING DATE: 15-APR-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/095,987
; FILING DATE: 10-AUG-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/078,416
; FILING DATE: 18-MAR-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/062,066
; FILING DATE: 15-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ching, Edwin P.
; REGISTRATION NUMBER: 34,090
; REFERENCE/DOCKET NUMBER: DX0767X
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650)852-9196
; TELEFAX: (650)496-1200
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 482 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..480
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 9

; OTHER INFORMATION: /note= "residues 9, 459, 462, 469,
; OTHER INFORMATION: and 474 each may be A, C, G, or T; translated as C "
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 246
; OTHER INFORMATION: /note= "residue 246 may be C or G;
; OTHER INFORMATION: translated as C"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 321
; OTHER INFORMATION: /note= "residues 321, 335, 360, and
; OTHER INFORMATION: 423 each may be C or T; translated as C"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 426
; OTHER INFORMATION: /note= "residue 426 may be A or C;
; OTHER INFORMATION: translated as C"
US-09-173-151A-5

Alignment Scores:
Pred. No.:   107   Length: 482
Score: 8.00   Matches: 8
Percent Similarity: 100.00%   Conservative: 0
Best Local Similarity: 100.00%   Mismatches: 0
Query Match: 2.64%   Indels: 0
DB: 4   Gaps: 0

US-10-047-021-86 (1-303) x US-09-173-151A-5 (1-482)

Qy   16 ProLeuLeuLeuLeuLeuIleMet 23
          |||||||||||||||||||||||
Db   98 CCTCTTCTGCTTCTCTTAATAATG 75

RESULT 4
US-09-621-976-264
; Sequence 264, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 264
; LENGTH: 571
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 217..570
; FEATURE:
; NAME/KEY: sig_peptide
; LOCATION: 217..276
; OTHER INFORMATION: Von Heijne matrix
; OTHER INFORMATION: score 4.3000019073486
; OTHER INFORMATION: seq GCLLEPFVHQVGG/HS
US-09-621-976-264

Alignment Scores:
Pred. No.:   126   Length: 571
Score: 8.00   Matches: 8
Percent Similarity: 100.00%   Conservative: 0
Best Local Similarity: 100.00%   Mismatches: 0
Query Match: 2.64%   Indels: 0
DB: 4   Gaps: 0

US-10-047-021-86 (1-303) x US-09-621-976-264 (1-571)

Qy   14 SerLeuProLeuLeuLeuLeu 21
          |||||||||||||||||||||

Db   508 TCCTCCCTCCTCCTCCTTCCTC 531

RESULT 5
US-08-837-029-1
; Sequence 1, Application US/08837029
; Patent No. 5945303
; GENERAL INFORMATION:
; APPLICANT: Wei et al.
; TITLE OF INVENTION: Human Hematopoietic - Specific Protein
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: MD
; COUNTRY: US
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/837,029
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/US96/04930
; FILING DATE: 11-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Brookes, A. Anders
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PF268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 301-309-8504
; TELEFAX: 301-309-8439
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 833 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 42..608
; FEATURE:
; NAME/KEY: sig_peptide
; LOCATION: 42..107
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 108..608
US-08-837-029-1

Alignment Scores:
Pred. No.:   181   Length: 833
Score: 8.00   Matches: 8
Percent Similarity: 100.00%   Conservative: 0
Best Local Similarity: 100.00%   Mismatches: 0
Query Match: 2.64%   Indels: 0
DB: 2   Gaps: 0

US-10-047-021-86 (1-303) x US-08-837-029-1 (1-833)

Qy   14 SerLeuProLeuLeuLeuLeu 21
          |||||||||||||||||||||
Db   51 TCACTGCCACTGCTGCTGCTG 74

RESULT 6
5164485-1
; Patent No. 5164485
; APPLICANT: FUJISAWA, YUKIO; ITOH, YASUAKI; NISHIMURA, OSAMU

; TITLE OF INVENTION: MODIFIED HEPATITIS B VIRUS SURFACE
;ANTIGEN P31 AND PRODUCTION THEREOF
; NUMBER OF SEQUENCES: 22
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/07/547,948
;   FILING DATE: 03-JUL-1990
; PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: 898,425
;   FILING DATE: 20-AUG-1986
;SEQ ID NO:1:
;   LENGTH: 846
5164485-1

Alignment Scores:
Pred. No.:   184   Length: 846
Score: 8.00   Matches: 8
Percent Similarity: 100.00%   Conservative: 0
Best Local Similarity: 100.00%   Mismatches: 0
Query Match: 2.64%   Indels: 0
DB: 6   Gaps: 0

US-10-047-021-86 (1-303) x 5164485-1 (1-846)

Qy   92 GlnProAlaArgGlyHisAla 99
          ||||||||||||||||||||
Db   506 CAACCACCAGCACGGGGCCATGCA 529

RESULT 7
US-09-615-192A-201
; Sequence 201, Application US/09615192A
; Patent No. 6410718
; GENERAL INFORMATION:
; APPLICANT: Bloksberg, Leonard N.
; APPLICANT: Havukkala, Ilkka
; TITLE OF INVENTION: Materials and Methods for the
; TITLE OF INVENTION: Modification of Plant Lignin Content
; FILE REFERENCE: 11000.100304U
; CURRENT APPLICATION NUMBER: US/09/615,192A
; CURRENT FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 08/975,316
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: US 08/713,000
; PRIOR FILING DATE: 1996-09-11
; PRIOR APPLICATION NUMBER: US 09/169,789
; PRIOR FILING DATE: 1998-10-09
; NUMBER OF SEQ ID NOS: 405
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 201
;   LENGTH: 993
;   TYPE: DNA
;   ORGANISM: Eucalyptus grandis
US-09-615-192A-201

Alignment Scores:
Pred. No.:   214   Length: 993
Score: 8.00   Matches: 8
Percent Similarity: 100.00%   Conservative: 0
Best Local Similarity: 100.00%   Mismatches: 0
Query Match: 2.64%   Indels: 0
DB: 4   Gaps: 0

US-10-047-021-86 (1-303) x US-09-615-192A-201 (1-993)

Qy   14 SerLeuProLeuLeuLeuLeuLeu 21
          ||||||||||||||||||||
Db   53 TCCCTTCCTCCTCCTCCTCCCTC 76

RESULT 8
US-09-976-594-522
; Sequence 522, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael

; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
;SEQ ID NO 522
;   LENGTH: 1081
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673549 335999.1
US-09-976-594-522

Alignment Scores:
Pred. No.:   233   Length: 1081
Score: 8.00   Matches: 8
Percent Similarity: 100.00%   Conservative: 0
Best Local Similarity: 100.00%   Mismatches: 0
Query Match: 2.64%   Indels: 0
DB: 4   Gaps: 0

US-10-047-021-86 (1-303) x US-09-976-594-522 (1-1081)

Qy   14 SerLeuProLeuLeuLeuLeuLeu 21
          ||||||||||||||||||||
Db   270 TCCTTACCACTACTACTACTACTA 293

RESULT 9
US-10-133-907-3
; Sequence 3, Application US/10133907
; Patent No. 6677369
; GENERAL INFORMATION:
; APPLICANT: Chien, Kenneth R
; APPLICANT: Hoshijima, Masahiko
; TITLE OF INVENTION: Method to treat hemophilia by hepatic gene transfer of Factor VII
; TITLE OF INVENTION: with vesicle vector
; FILE REFERENCE: 6627-PA1170
; CURRENT APPLICATION NUMBER: US/10/133,907
; CURRENT FILING DATE: 2002-04-25
; PRIOR APPLICATION NUMBER: 60/286,314
; PRIOR FILING DATE: 2001-04-25
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn version 3.1
;SEQ ID NO 3
;   LENGTH: 1286
;   TYPE: DNA
;   ORGANISM: Hepatitis B virus
US-10-133-907-3

Alignment Scores:
Pred. No.:   275   Length: 1286
Score: 8.00   Matches: 8
Percent Similarity: 100.00%   Conservative: 0
Best Local Similarity: 100.00%   Mismatches: 0
Query Match: 2.64%   Indels: 0
DB: 4   Gaps: 0

US-10-047-021-86 (1-303) x US-10-133-907-3 (1-1286)

Qy   92 GlnProAlaArgGlyHisAla 99
          ||||||||||||||||||||
Db   930 CAACCACCAGCACGGGGCCATGCA 953

RESULT 10
US-09-533-029-99
; Sequence 99, Application US/09533029
; Patent No. 6664446
; GENERAL INFORMATION:

; APPLICANT: Heard, Jacqueline
; APPLICANT: Broun, Pierre
; APPLICANT: Riechmann, Jose-Luis
; APPLICANT: Keddie, James
; APPLICANT: Pineda, Omaira
; APPLICANT: Adam, Luc
; APPLICANT: Samaha, Raymond
; APPLICANT: Zhang, James
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Pilgrim, Marsha
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Reuber, Lynne
; TITLE OF INVENTION: DISEASE-INDUCED POLYNUCLEOTIDES
; FILE REFERENCE: MBI-010
; CURRENT FILING DATE: 2000-03-22
; CURRENT APPLICATION NUMBER: US/09/533,029
; EARLIER APPLICATION NUMBER: 60/125,814
; EARLIER FILING DATE: 1999-03-23
; NUMBER OF SEQ ID NOS: 121
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 99
; LENGTH: 1339
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; OTHER INFORMATION: G515
US-09-533-029-99

Alignment Scores:
Pred. No.:   285   Length: 1339
Score: 8.00   Matches: 8
Percent Similarity: 100.00%   Conservative: 0
Best Local Similarity: 100.00%   Mismatches: 0
Query Match: 2.64%   Indels: 0
DB: 4   Gaps: 0

US-10-047-021-86 (1-303) x US-09-533-029-99 (1-1339)

Qy   14 SerLeuProLeuLeuLeuLeuLeu 21
         ||||||||||||||||||||
Db   611 AGTCTTCCCTCCTTCTTCTT 634

RESULT 11
US-09-668-097A-13/c
; Sequence 13, Application US/09668097A
; Patent No. 6673988
; GENERAL INFORMATION:
; APPLICANT: Cahoon, Edgar B.
; APPLICANT: Cahoon, Rebecca E.
; APPLICANT: Klein, Ted
; APPLICANT: Shen, Jennie
; TITLE OF INVENTION: Plant Lipases
; FILE REFERENCE: BB1401 US NA
; CURRENT APPLICATION NUMBER: US/09/668,097A
; CURRENT FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/157309
; PRIOR FILING DATE: 1999-10-01
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 13
; LENGTH: 1662
; TYPE: DNA
; ORGANISM: Glycine max
US-09-668-097A-13

Alignment Scores:
Pred. No.:   351   Length: 1662
Score: 8.00   Matches: 8
Percent Similarity: 100.00%   Conservative: 0
Best Local Similarity: 100.00%   Mismatches: 0
Query Match: 2.64%   Indels: 0
DB: 4   Gaps: 0

US-10-047-021-86 (1-303) x US-09-668-097A-13 (1-1662)

Qy   15 LeuProLeuLeuLeuLeuIle 22
         ||||||||||||||||||
Db   664 CTACCGCTCCTTCTTCTATTAATT 641

RESULT 12
US-09-668-097A-7
; Sequence 7, Application US/0966097A
; Patent No. 6673988
; GENERAL INFORMATION:
; APPLICANT: Cahoon, Edgar B.
; APPLICANT: Cahoon, Rebecca E.
; APPLICANT: Klein, Ted
; APPLICANT: Shen, Jennie
; TITLE OF INVENTION: Plant Lipases
; FILE REFERENCE: BB1401 US NA
; CURRENT APPLICATION NUMBER: US/09/668,097A
; CURRENT FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/157309
; PRIOR FILING DATE: 1999-10-01
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 7
; LENGTH: 1750
; TYPE: DNA
; ORGANISM: Oryza sativa
US-09-668-097A-7

Alignment Scores:
Pred. No.:   369   Length: 1750
Score: 8.00   Matches: 8
Percent Similarity: 100.00%   Conservative: 0
Best Local Similarity: 100.00%   Mismatches: 0
Query Match: 2.64%   Indels: 0
DB: 4   Gaps: 0

US-10-047-021-86 (1-303) x US-09-668-097A-7 (1-1750)

Qy   14 SerLeuProLeuLeuLeuLeuLeu 21
         |||||||||||||||||||||
Db   264 TCTCTTCCCTCCTTCTTCTTCTT 287

RESULT 13
US-08-818-112-13/c
; Sequence 13, Application US/08818112
; Patent No. 6290969
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Campos-Neto, Antonio
; APPLICANT: Houghton, Raymond
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Twardzik, Daniel R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF TUBERCULOSIS
; NUMBER OF SEQUENCES: 153
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/818,112

```
;          FILING DATE: 13-MAR-1997
;          CLASSIFICATION: 424
;       ATTORNEY/AGENT INFORMATION:
;          NAME: Maki, David J.
;          REGISTRATION NUMBER: 31,392
;          REFERENCE/DOCKET NUMBER: 210121.411C6
;       TELECOMMUNICATION INFORMATION:
;          TELEPHONE: (206) 622-4900
;          TELEFAX: (206) 682-6031
;    INFORMATION FOR SEQ ID NO: 13:
;       SEQUENCE CHARACTERISTICS:
;          LENGTH: 1771 base pairs
;          TYPE: nucleic acid
;          STRANDEDNESS: single
;          TOPOLOGY: linear
US-08-818-112-13

Alignment Scores:
Pred. No.:                373        Length:          1771
Score:                   8.00       Matches:            8
Percent Similarity:    100.00%      Conservative:       0
Best Local Similarity: 100.00%      Mismatches:         0
Query Match:            2.64%       Indels:             0
DB:                                 Gaps:               0

US-10-047-021-86 (1-303) x US-08-818-112-13 (1-1771)

Qy   234 ProValGluLeuLeuAlaValArg 241
             |||||||||||||||||||||||
Db   502 CCAGTCGAACTGCTGGCTGTACGT 479

RESULT 14
US-08-818-111-13/c
; Sequence 13, Application US/08818111
; Patent No. 6338852
; GENERAL INFORMATION:
;    APPLICANT: Reed, Steven G.
;    APPLICANT: Skeiky, Yasir A.W.
;    APPLICANT: Dillon, Davin C.
;    APPLICANT: Campos-Neto, Antonia
;    APPLICANT: Houghton, Raymond
;    APPLICANT: Vedvick, Thomas S.
;    APPLICANT: Twardzik, Daniel R.
;    TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF TUBERCULOSIS
;    NUMBER OF SEQUENCES: 148
;    CORRESPONDENCE ADDRESS:
;       ADDRESSEE: SEED and BERRY LLP
;       STREET: 6300 Columbia Center, 701 Fifth Avenue
;       CITY: Seattle
;       STATE: Washington
;       COUNTRY: USA
;       ZIP: 98104-7092
;    COMPUTER READABLE FORM:
;       MEDIUM TYPE: Floppy disk
;       COMPUTER: IBM PC compatible
;       OPERATING SYSTEM: PC-DOS/MS-DOS
;       SOFTWARE: PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;       APPLICATION NUMBER: US/08/818,111
;       FILING DATE: 13-MAR-1997
;       CLASSIFICATION: 424
;    ATTORNEY/AGENT INFORMATION:
;       NAME: Maki, David J.
;       REGISTRATION NUMBER: 31,392
;       REFERENCE/DOCKET NUMBER: 210121.417C6
;    TELECOMMUNICATION INFORMATION:
;       TELEPHONE: (206) 622-4900
;       TELEFAX: (206) 682-6031
;    INFORMATION FOR SEQ ID NO: 13:
;       SEQUENCE CHARACTERISTICS:
;          LENGTH: 1771 base pairs
;          TYPE: nucleic acid
;          STRANDEDNESS: single
;          TOPOLOGY: linear
US-08-818-111-13

Alignment Scores:
Pred. No.:                373        Length:          1771
Score:                   8.00       Matches:            8
Percent Similarity:    100.00%      Conservative:       0
Best Local Similarity: 100.00%      Mismatches:         0
Query Match:            2.64%       Indels:             0
DB:                                 Gaps:               0

US-10-047-021-86 (1-303) x US-08-818-111-13 (1-1771)

Qy   234 ProValGluLeuLeuAlaValArg 241
             |||||||||||||||||||||||
Db   502 CCAGTCGAACTGCTGGCTGTACGT 479

RESULT 15
US-09-056-556-13/c
; Sequence 13, Application US/09055556
; Patent No. 6350456
; GENERAL INFORMATION:
;    APPLICANT: Reed, Steven G.
;    APPLICANT: Skeiky, Yasir A.W.
;    APPLICANT: Dillon, Davin C.
;    TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE PREVENTION AND TREATM
;    NUMBER OF SEQUENCES: 241
;    CORRESPONDENCE ADDRESS:
;       ADDRESSEE: SEED and BERRY LLP
;       STREET: 6300 Columbia Center, 701 Fifth Avenue
;       CITY: Seattle
;       STATE: Washington
;       COUNTRY: USA
;       ZIP: 98104-7092
;    COMPUTER READABLE FORM:
;       MEDIUM TYPE: Floppy disk
;       COMPUTER: IBM PC compatible
;       OPERATING SYSTEM: PC-DOS/MS-DOS
;       SOFTWARE: PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;       APPLICATION NUMBER: US/09/056,556
;       FILING DATE: 07-APR-1998
;       CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;       NAME: Maki, David J.
;       REGISTRATION NUMBER: 31,392
;       REFERENCE/DOCKET NUMBER: 210121.457
;    TELECOMMUNICATION INFORMATION:
;       TELEPHONE: (206) 622-4900
;       TELEFAX: (206) 682-6031
;    INFORMATION FOR SEQ ID NO: 13:
;       SEQUENCE CHARACTERISTICS:
;          LENGTH: 1771 base pairs
;          TYPE: nucleic acid
;          STRANDEDNESS: single
;          TOPOLOGY: linear
US-09-056-556-13

Alignment Scores:
Pred. No.:                373        Length:          1771
Score:                   8.00       Matches:            8
Percent Similarity:    100.00%      Conservative:       0
Best Local Similarity: 100.00%      Mismatches:         0
Query Match:            2.64%       Indels:             0
DB:                                 Gaps:               0

US-10-047-021-86 (1-303) x US-09-056-556-13 (1-1771)

Qy   234 ProValGluLeuLeuAlaValArg 241
             |||||||||||||||||||||||
Db   502 CCAGTCGAACTGCTGGCTGTACGT 479
```

us-10-047-021-86.oligo.rni

Mon Jun 28 09:06:57 2004

Search completed: June 26, 2004, 13:09:17
Job time : 170 secs

```
                GenCore version 5.1.6
          Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - nucleic search, using frame_plus_p2n model

Run on:     June 26, 2004, 06:51:36 ; Search time 321 Seconds
                                        (without alignments)
                              4324.206 Million cell updates/sec

Title:          US-10-047-021-86
Perfect score:  303
Sequence:       1 MGSGGDSLLGGRGSLPLLLL.........SGPRLPREARELRGQRRNTG 303

Scoring table:  OLIGO
                Xgapop 60.0 , Xgapext 60.0
                Ygapop 60.0 , Ygapext 60.0
                Fgapop  6.0 , Fgapext  7.0
                Delop   6.0 , Delext   7.0

Searched:       3017426 seqs, 2290544650 residues

Word size:      1

Total number of hits satisfying chosen parameters:        6026690

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 1000 summaries

Command line parameters:
-MODEL=frame+_p2n.model -DEV=xlh
-Q=/cgn2_1/USPTO_spool/US10047021/runat_25062004_093547_16155/app_query.fasta_1.455
-DB=Published_Applications_NA_-QFMT=fasta -SUFFIX=oligo.rnpb -MINMATCH=0.1
-LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=oligo
-TRANS=human40.cdi -LIST=1000 -DOCALIGN=200 -THR_SCORE=quality -THR_MIN=1
-ALIGN=15 -MODE=LOCAL -OUTFMT=pto -NORM=ext -HEAPSIZE=500 -MINLEN=0
-MAXLEN=2000000000 -USER=US10047021 @CGN_1_354 @runat_25062004_093547_16155
-NCPU=6 -ICPU=3 -NO_MMAP -LARGEQUERY -NEG_SCORES=0 -WAIT -DSPBLOCK=100
-LONGLOG -DEV_TIMEOUT=120 -WARN_TIMEOUT=30 -THREADS=1 -XGAPOP=60 -XGAPEXT=60
-FGAPOP=6 -FGAPEXT=7 -YGAPOP=60 -YGAPEXT=60 -DELOP=6 -DELEXT=7

Database :      Published_Applications_NA:*
          1:  /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
          2:  /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
          3:  /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
          4:  /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
          5:  /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
          6:  /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:*
          7:  /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
          8:  /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
          9:  /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq:*
         10:  /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq:*
         11:  /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
         12:  /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
         13:  /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq2:*
         14:  /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq:*
         15:  /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
         16:  /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:*
         17:  /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
         18:  /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
         19:  /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

                         SUMMARIES
```

Result No., Score, % Match, Query/Match Length, DB, ID, Description

Result No.	Score	% Match	Length	DB	ID	Description
1	300	99.0	1346	15	US-10-411-224-31	Sequence 31, Appl
2	300	99.0	1346	16	US-10-047-021-31	Sequence 31, Appl
3	148	48.8	3651	12	US-10-416-090-49	Sequence 49, Appl
4	148	48.8	3715	12	US-10-416-090-36	Sequence 36, Appl
5	148	48.8	3716	9	US-09-978-295A-210	Sequence 210, App
6	148	48.8	3716	9	US-09-978-697-210	Sequence 210, App
7	148	48.8	3716	9	US-09-978-192A-210	Sequence 210, App
8	148	48.8	3716	10	US-09-999-832A-210	Sequence 210, App
9	148	48.8	3716	10	US-09-978-189-210	Sequence 210, App
10	148	48.8	3716	10	US-09-978-608A-210	Sequence 210, App
11	148	48.8	3716	10	US-09-978-585A-210	Sequence 210, App
12	148	48.8	3716	10	US-09-978-191A-210	Sequence 210, App
13	148	48.8	3716	10	US-09-978-403A-210	Sequence 210, App
14	148	48.8	3716	10	US-09-978-564A-210	Sequence 210, App
15	148	48.8	3716	10	US-09-981-915A-210	Sequence 210, App
16	148	48.8	3716	10	US-09-978-824-210	Sequence 210, App
17	148	48.8	3716	10	US-09-918-585A-210	Sequence 210, App
18	148	48.8	3716	10	US-09-978-423A-210	Sequence 210, App
19	148	48.8	3716	10	US-09-978-193A-210	Sequence 210, App
20	148	48.8	3716	10	US-09-999-830A-210	Sequence 210, App
21	148	48.8	3716	10	US-09-978-757A-210	Sequence 210, App
22	148	48.8	3716	10	US-09-978-187B-210	Sequence 210, App
23	148	48.8	3716	10	US-09-978-643A-210	Sequence 210, App
24	148	48.8	3716	10	US-09-978-375A-210	Sequence 210, App
25	148	48.8	3716	10	US-09-978-298A-210	Sequence 210, App
26	148	48.8	3716	10	US-09-978-188A-210	Sequence 210, App
27	148	48.8	3716	10	US-09-978-681A-210	Sequence 210, App
28	148	48.8	3716	10	US-09-978-194A-210	Sequence 210, App
29	148	48.8	3716	10	US-09-999-829A-210	Sequence 210, App
30	148	48.8	3716	10	US-09-978-299A-210	Sequence 210, App
31	148	48.8	3716	10	US-09-978-544A-210	Sequence 210, App
32	148	48.8	3716	10	US-09-978-665A-210	Sequence 210, App
33	148	48.8	3716	10	US-09-978-802A-210	Sequence 210, App
34	148	48.8	3716	13	US-10-164-749A-210	Sequence 210, App
35	148	48.8	3716	13	US-09-999-831A-210	Sequence 210, App
36	148	48.8	3716	13	US-10-013-917A-210	Sequence 210, App
37	148	48.8	3716	13	US-10-017-081A-210	Sequence 210, App
38	148	48.8	3716	13	US-10-162-521A-210	Sequence 210, App
39	148	48.8	3716	13	US-10-145-016A-210	Sequence 210, App
40	148	48.8	3716	13	US-10-145-088A-210	Sequence 210, App
41	148	48.8	3716	13	US-10-145-092A-210	Sequence 210, App
42	148	48.8	3716	13	US-10-145-129A-210	Sequence 210, App
43	148	48.8	3716	13	US-10-165-038A-210	Sequence 210, App
44	148	48.8	3716	13	US-10-165-353A-210	Sequence 210, App
45	148	48.8	3716	13	US-10-167-600-210	Sequence 210, App
46	148	48.8	3716	13	US-10-170-481A-210	Sequence 210, App
47	148	48.8	3716	13	US-10-172-039A-210	Sequence 210, App
48	148	48.8	3716	13	US-10-210-028-210	Sequence 210, App
49	148	48.8	3716	15	US-10-017-081A-210	Sequence 210, App
50	148	48.8	3716	15	US-10-167-749-210	Sequence 210, App
51	148	48.8	3716	15	US-10-013-921A-210	Sequence 210, App
52	148	48.8	3716	15	US-10-013-929A-210	Sequence 210, App
53	148	48.8	3716	15	US-10-016-177A-210	Sequence 210, App
54	148	48.8	3716	15	US-10-166-709A-210	Sequence 210, App
55	148	48.8	3716	15	US-10-143-031A-210	Sequence 210, App
56	148	48.8	3716	15	US-10-143-030A-210	Sequence 210, App
57	148	48.8	3716	15	US-10-002-967A-210	Sequence 210, App
58	148	48.8	3716	15	US-10-017-083A-210	Sequence 210, App
59	148	48.8	3716	15	US-10-145-128A-210	Sequence 210, App
60	148	48.8	3716	15	US-10-017-191A-210	Sequence 210, App
61	148	48.8	3716	15	US-10-143-028A-210	Sequence 210, App
62	148	48.8	3716	15	US-10-143-089A-210	Sequence 210, App
63	148	48.8	3716	15	US-10-145-089A-210	Sequence 210, App
64	148	48.8	3716	15	US-10-165-067A-210	Sequence 210, App
65	148	48.8	3716	15	US-10-145-017A-210	Sequence 210, App
66	148	48.8	3716	15	US-10-164-728A-210	Sequence 210, App
67	148	48.8	3716	15	US-10-013-926A-210	Sequence 210, App
68	148	48.8	3716	15	US-10-165-247A-210	Sequence 210, App
69	148	48.8	3716	15	US-10-145-124A-210	Sequence 210, App
70	148	48.8	3716	15	US-10-160-502A-210	Sequence 210, App
71	148	48.8	3716	15	US-10-145-087A-210	Sequence 210, App
72	148	48.8	3716	15	US-10-145-087A-210	Sequence 210, App

#					ID	Sequence
73	148	48.8	3716	15	US-10-017-086A-210	Sequence 210, App
74	148	48.8	3716	15	US-10-164-829A-210	Sequence 210, App
75	148	48.8	3716	15	US-10-164-929A-210	Sequence 210, App
76	148	48.8	3716	15	US-10-013-922A-210	Sequence 210, App
77	148	48.8	3716	15	US-10-020-445A-210	Sequence 210, App
78	148	48.8	3716	16	US-10-013-924A-210	Sequence 210, App
79	148	48.8	3716	16	US-10-017-084A-210	Sequence 210, App
80	148	48.8	3716	16	US-10-017-085A-210	Sequence 210, App
81	148	48.8	3716	16	US-10-013-916A-210	Sequence 210, App
82	148	48.8	3716	16	US-10-143-026B-210	Sequence 210, App
83	148	48.8	3716	16	US-10-013-918A-210	Sequence 210, App
84	148	48.8	3716	16	US-10-013-928A-210	Sequence 210, App
85	148	48.8	3716	16	US-10-162-522A-210	Sequence 210, App
86	148	48.8	3716	16	US-10-013-923A-210	Sequence 210, App
87	148	48.8	3716	16	US-10-013-925A-210	Sequence 210, App
88	148	48.8	3716	16	US-10-013-927A-210	Sequence 210, App
89	148	48.8	3716	16	US-10-145-093A-210	Sequence 210, App
90	148	48.8	3716	16	US-10-013-919A-210	Sequence 210, App
91	148	48.8	3716	16	US-10-013-920A-210	Sequence 210, App
92	148	48.8	3808	10	US-09-796-753-157	Sequence 157, Appl
93	120	39.6	4262	15	US-10-059-585-21	Sequence 15, Appl
94	110	36.3	3042	10	US-09-796-753-155	Sequence 155, App
95	33	10.9	299	9	US-09-764-869-210	Sequence 210, App
96	33	10.9	299	15	US-10-091-504-210	Sequence 210, App
97	33	10.9	299	16	US-10-227-577-210	Sequence 210, App
98	30	9.9	1943	13	US-10-116-802-347	Sequence 347, App
99	27	8.9	3607	12	US-10-416-090-50	Sequence 50, Appl
100	27	8.9	3688	12	US-10-416-090-38	Sequence 38, Appl
101	26	8.6	496	9	US-09-783-590-12331	Sequence 12331, A
102	16	5.3	299	9	US-09-978-295A-214	Sequence 214, A
103	16	5.3	50	9	US-09-978-697-214	Sequence 214, App
104	16	5.3	50	9	US-09-978-192A-214	Sequence 214, App
105	16	5.3	50	9	US-09-999-832A-214	Sequence 214, App
106	16	5.3	50	10	US-09-978-189-214	Sequence 214, App
107	16	5.3	50	10	US-09-978-608A-214	Sequence 214, App
108	16	5.3	50	10	US-09-978-585A-214	Sequence 214, App
109	16	5.3	50	10	US-09-978-191A-214	Sequence 214, App
110	16	5.3	50	10	US-09-978-403A-214	Sequence 214, App
111	16	5.3	50	10	US-09-978-564A-214	Sequence 214, App
112	16	5.3	50	10	US-09-999-833A-214	Sequence 214, App
113	16	5.3	50	10	US-09-981-915A-214	Sequence 214, App
114	16	5.3	50	10	US-09-978-824-214	Sequence 214, App
115	16	5.3	50	10	US-09-918-585A-214	Sequence 214, App
116	16	5.3	50	10	US-09-978-423A-214	Sequence 214, App
117	16	5.3	50	10	US-09-978-193A-214	Sequence 214, App
118	16	5.3	50	10	US-09-999-830A-214	Sequence 214, App
119	16	5.3	50	13	US-10-013-917A-214	Sequence 214, App
120	16	5.3	50	10	US-09-978-757A-214	Sequence 214, App
121	16	5.3	50	10	US-09-978-187B-214	Sequence 214, App
122	16	5.3	50	10	US-09-978-643A-214	Sequence 214, App
123	16	5.3	50	10	US-09-978-375A-214	Sequence 214, App
124	16	5.3	50	10	US-09-978-298A-214	Sequence 214, App
125	16	5.3	50	10	US-09-978-681A-214	Sequence 214, App
126	16	5.3	50	10	US-09-978-194A-214	Sequence 214, App
127	16	5.3	50	10	US-09-999-829A-214	Sequence 214, App
128	16	5.3	50	10	US-09-978-299A-214	Sequence 214, App
129	16	5.3	50	10	US-09-978-544A-214	Sequence 214, App
130	16	5.3	50	10	US-09-978-665A-214	Sequence 214, App
131	16	5.3	50	10	US-09-978-802A-214	Sequence 214, App
132	16	5.3	50	13	US-10-164-749A-214	Sequence 214, App
133	16	5.3	50	13	US-10-013-831A-214	Sequence 214, App
134	16	5.3	50	13	US-10-013-917A-214	Sequence 214, App
135	16	5.3	50	13	US-09-999-834A-214	Sequence 214, App
136	16	5.3	50	13	US-10-162-521A-214	Sequence 214, App
137	16	5.3	50	13	US-10-145-016A-214	Sequence 214, App
138	16	5.3	50	13	US-10-145-088A-214	Sequence 214, App
139	16	5.3	50	13	US-10-145-092A-214	Sequence 214, App
140	16	5.3	50	13	US-10-144-129A-214	Sequence 214, App
141	16	5.3	50	13	US-10-165-038A-214	Sequence 214, App
142	16	5.3	50	13	US-10-165-353A-214	Sequence 214, App
143	16	5.3	50	13	US-10-167-600-214	Sequence 214, App
144	16	5.3	50	13	US-10-170-481A-214	Sequence 214, App
145	16	5.3	50	13	US-10-172-039A-214	Sequence 214, App

#						ID	Sequence
146		16	5.3	50	13	US-10-210-028-214	Sequence 214, App
147		16	5.3	50	15	US-10-017-081A-214	Sequence 214, App
148		16	5.3	50	15	US-10-167-749-214	Sequence 214, App
149		16	5.3	50	15	US-10-013-921A-214	Sequence 214, App
150		16	5.3	50	15	US-10-013-929A-214	Sequence 214, App
151		16	5.3	50	15	US-10-016-177A-214	Sequence 214, App
152		16	5.3	50	15	US-10-166-709A-214	Sequence 214, App
153		16	5.3	50	15	US-10-143-031A-214	Sequence 214, App
154		16	5.3	50	15	US-10-143-030A-214	Sequence 214, App
155		16	5.3	50	15	US-10-002-967A-214	Sequence 214, App
156		16	5.3	50	15	US-10-017-083A-214	Sequence 214, App
157		16	5.3	50	15	US-10-145-128A-214	Sequence 214, App
158		16	5.3	50	15	US-10-017-191A-214	Sequence 214, App
159		16	5.3	50	15	US-10-143-028A-214	Sequence 214, App
160		16	5.3	50	15	US-10-143-029A-214	Sequence 214, App
161		16	5.3	50	15	US-10-165-089A-214	Sequence 214, App
162		16	5.3	50	15	US-10-165-067A-214	Sequence 214, App
163		16	5.3	50	15	US-10-145-017A-214	Sequence 214, App
164		16	5.3	50	15	US-10-164-728A-214	Sequence 214, App
165		16	5.3	50	15	US-10-013-926A-214	Sequence 214, App
166		16	5.3	50	15	US-10-145-247A-214	Sequence 214, App
167		16	5.3	50	15	US-10-145-124A-214	Sequence 214, App
168		16	5.3	50	15	US-10-160-502A-214	Sequence 214, App
169		16	5.3	50	15	US-10-145-087A-214	Sequence 214, App
170		16	5.3	50	15	US-10-017-086A-214	Sequence 214, App
171		16	5.3	50	15	US-10-164-829A-214	Sequence 214, App
172		16	5.3	50	15	US-10-164-929A-214	Sequence 214, App
173		16	5.3	50	15	US-10-013-922A-214	Sequence 214, App
174		16	5.3	50	15	US-10-020-445A-214	Sequence 214, App
175		16	5.3	50	15	US-10-013-924A-214	Sequence 214, App
176		16	5.3	50	16	US-10-017-084A-214	Sequence 214, App
177		16	5.3	50	16	US-10-017-085A-214	Sequence 214, App
178		16	5.3	50	16	US-10-013-916A-214	Sequence 214, App
179		16	5.3	50	16	US-10-143-026B-214	Sequence 214, App
180		16	5.3	50	16	US-10-013-918A-214	Sequence 214, App
181		16	5.3	50	16	US-10-013-928A-214	Sequence 214, App
182		16	5.3	50	16	US-10-162-522A-214	Sequence 214, App
183		16	5.3	50	16	US-10-013-923A-214	Sequence 214, App
184		16	5.3	50	16	US-10-013-925A-214	Sequence 214, App
185		16	5.3	50	16	US-10-013-927A-214	Sequence 214, App
186		16	5.3	50	16	US-10-145-093A-214	Sequence 214, App
187		16	5.3	50	16	US-10-013-919A-214	Sequence 214, App
188		16	5.3	50	16	US-10-013-920A-214	Sequence 214, App
189		9	3.0	399	13	US-10-085-783A-10603	Sequence 10603, A
190		9	3.0	399	16	US-10-242-535A-10603	Sequence 10603, A
191		9	3.0	605	13	US-10-027-632-279398	Sequence 279398,
192		9	3.0	605	16	US-10-027-632-279398	Sequence 279398,
193		9	3.0	795	13	US-10-027-632-155004	Sequence 155004,
194		9	3.0	795	13	US-10-027-632-155004	Sequence 155004,
195		9	3.0	1623	17	US-09-983-965-3168	Sequence 3168, Ap
196		9	3.0	2000	16	US-10-275-311A-8	Sequence 8, Appl
197		9	3.0	3509	16	US-10-260-238-2380	Sequence 2380, Ap
198	c	9	3.0	8305	15	US-10-108-260A-713	Sequence 713, App
199		9	3.0	74868	13	US-10-111-455-1542	Sequence 1542, Ap
200	c	9	3.0	358246	16	US-10-175-523-67	Sequence 67, Appli
201		9	3.0	392000	13	US-10-292-798-1095	Sequence 1095, Ap
202	c	9	3.0	392000	15	US-10-448-753-11	Sequence 11, Appl
203		9	3.0	465237	9	US-10-027-983-11	Sequence 11, Appl
204		8	2.6	101	9	US-09-933-267A-1	Sequence 1, Appli
205	c	8	2.6	101	15	US-09-331-63A-19	Sequence 19, Appl
206		8	2.6	133	13	US-10-147-095-19	Sequence 19, Appl
207		8	2.6	203	13	US-10-029-386-23454	Sequence 23454, A
208		8	2.6	203	16	US-10-085-783A-44236	Sequence 44236, A
209		8	2.6	223	13	US-10-242-535A-44236	Sequence 44236, A
210	c	8	2.6	265	15	US-10-029-386-17312	Sequence 17312, A
211	c	8	2.6	267	15	US-10-029-386-24561	Sequence 24561, A
212	c	8	2.6	280	16	US-10-305-720-278	Sequence 278, App
213	c	8	2.6	290	9	US-09-783-590-9157	Sequence 9157, App
214	c	8	2.6	300	13	US-10-076-555-331	Sequence 331, App
215	c	8	2.6	311	13	US-10-424-599-53450	Sequence 53450, A
216	c	8	2.6	332	13	US-09-777-564-1134	Sequence 1134, Ap
217	c	8	2.6	332	15	US-10-015-219-1134	Sequence 1134, Ap
218		8	2.6	333	10	US-09-918-995-12814	Sequence 12814, A

Left block:

#		col	col	num	Reference	n	Sequence
219		8	2.6	340	US-10-424-599-88614	13	Sequence 88614, A
220		8	2.6	368	US-09-864-761-15104	9	Sequence 15104, A
221	c	8	2.6	385	US-09-815-343-757	13	Sequence 757, App
222	c	8	2.6	385	US-10-097-105-757	13	Sequence 757, App
223	c	8	2.6	386	US-09-815-343-486	13	Sequence 486, App
224		8	2.6	386	US-10-097-105-486	13	Sequence 486, Ap
225		8	2.6	387	US-10-918-995-5599	10	Sequence 5599, Ap
226		8	2.6	393	US-09-792-793A-69	9	Sequence 69, Appl
227	c	8	2.6	393	US-10-375-209A-69	16	Sequence 69, Appl
228		8	2.6	419	US-10-439-388-63	16	Sequence 63, Appl
229		8	2.6	433	US-09-898-751A-13	9	Sequence 13, Appl
230		8	2.6	433	US-10-146-496-7	15	Sequence 7, Appli
231		8	2.6	434	US-10-424-599-88002	13	Sequence 88002, A
232		8	2.6	445	US-10-027-632-42811	16	Sequence 42811, A
233		8	2.6	445	US-10-027-632-42811	16	Sequence 42811, A
234		8	2.6	453	US-09-864-761-2448	9	Sequence 2448, Ap
235		8	2.6	471	US-09-924-035A-216	13	Sequence 216, App
236		8	2.6	476	US-09-918-995-28127	10	Sequence 28127, A
237		8	2.6	476	US-10-027-632-45433	13	Sequence 45433, A
238		8	2.6	476	US-10-027-632-45433	16	Sequence 45433, A
239		8	2.6	478	US-10-198-846-2607	15	Sequence 2607, Ap
240		8	2.6	480	US-09-918-995-21720	10	Sequence 21720, A
241		8	2.6	480	US-10-027-632-295758	13	Sequence 295758,
242		8	2.6	480	US-10-027-632-295759	13	Sequence 295759,
243		8	2.6	480	US-10-027-632-295758	16	Sequence 295758,
244		8	2.6	480	US-10-027-632-295759	16	Sequence 295759,
245		8	2.6	482	US-10-011-548-5	15	Sequence 5, Appli
246		8	2.6	484	US-09-815-343-553	13	Sequence 553, App
247	c	8	2.6	491	US-10-097-105-553	13	Sequence 553, App
248	c	8	2.6	491	US-09-918-995-21200	10	Sequence 21200, A
249	c	8	2.6	492	US-09-918-995-22862	10	Sequence 22862, A
250	c	8	2.6	496	US-10-157-031-166	15	Sequence 166, App
251		8	2.6	497	US-09-876-143-99	12	Sequence 99, Appl
252		8	2.6	500	US-10-029-386-799	15	Sequence 799, App
253		8	2.6	502	US-09-783-590-6410	9	Sequence 6410, Ap
254	c	8	2.6	505	US-09-864-76-12314	13	Sequence 12314, A
255	c	8	2.6	506	US-09-918-995-2288	10	Sequence 2288, Ap
256		8	2.6	510	US-09-974-300-7635	9	Sequence 7635, Ap
257		8	2.6	514	US-09-764-891-2072	13	Sequence 2072, Ap
258		8	2.6	520	US-10-027-632-235537	13	Sequence 235537,
259		8	2.6	520	US-10-027-632-235537	16	Sequence 235537,
260		8	2.6	530	US-10-029-386-9754	15	Sequence 9754, Ap
261		8	2.6	543	US-10-029-386-3612	15	Sequence 3612, Ap
262		8	2.6	547	US-10-029-386-4352	15	Sequence 4352, Ap
263		8	2.6	552	US-10-000-639-4	14	Sequence 4, Appli
264		8	2.6	555	US-10-029-386-10858	13	Sequence 10858,
265	c	8	2.6	559	US-10-027-632-202161	16	Sequence 202161,
266	c	8	2.6	559	US-10-027-632-202161	13	Sequence 202161,
267	c	8	2.6	564	US-09-770-152-372	13	Sequence 372, App
268	c	8	2.6	572	US-10-027-632-216159	13	Sequence 216159,
269		8	2.6	572	US-10-027-632-216159	16	Sequence 216159,
270		8	2.6	592	US-09-764-853-95	9	Sequence 95, Appl
271		8	2.6	575	US-10-074-024-561	16	Sequence 561, App
272		8	2.6	576	US-10-074-024-560	16	Sequence 560, App
273	c	8	2.6	579	US-10-027-632-105334	13	Sequence 105334,
274	c	8	2.6	579	US-10-027-632-105334	16	Sequence 105334,
275	c	8	2.6	585	US-10-027-632-141455	13	Sequence 141455,
276	c	8	2.6	585	US-10-027-632-279673	16	Sequence 279673,
277	c	8	2.6	585	US-10-027-632-141455	16	Sequence 141455,
278	c	8	2.6	585	US-10-027-632-279673	13	Sequence 279673,
279		8	2.6	592	US-09-764-853-95	9	Sequence 95, Appl
280		8	2.6	596	US-10-029-386-2649	15	Sequence 2649, Ap
281	c	8	2.6	598	US-10-027-632-92871	13	Sequence 92871, A
282	c	8	2.6	598	US-10-027-632-92872	13	Sequence 92872, A
283	c	8	2.6	598	US-10-027-632-92873	16	Sequence 92873, A
284	c	8	2.6	598	US-10-027-632-92871	16	Sequence 92872, A
285		8	2.6	598	US-10-027-632-92872	13	Sequence 92872, A
286		8	2.6	598	US-10-027-632-92873	16	Sequence 92873, A
287	c	8	2.6	601	US-09-820-003A-31	9	Sequence 31, Appl
288	c	8	2.6	601	US-09-820-003A-32	9	Sequence 32, Appl
289		8	2.6	602	US-10-091-438-67	15	Sequence 67, Appl
290		8	2.6	611	US-10-282-122A-8675	13	Sequence 8675, Ap
291		8	2.6	611	US-10-027-632-213112	13	Sequence 213112,

Right block:

#		col	col	num	n	Reference	Sequence
292		8	2.6	611	13	US-10-424-599-213113	Sequence 213113,
293		8	2.6	611	16	US-10-027-632-213112	Sequence 213112,
294		8	2.6	611	16	US-10-027-632-213113	Sequence 213113,
295	c	8	2.6	611	16	US-10-074-024-68	Sequence 68, Appl
296	c	8	2.6	622	13	US-10-027-632-190162	Sequence 190163,
297	c	8	2.6	622	13	US-10-027-632-190163	Sequence 190163,
298		8	2.6	622	13	US-10-027-632-248381	Sequence 248381,
299		8	2.6	622	13	US-10-027-632-248382	Sequence 248382,
300	c	8	2.6	622	13	US-10-027-632-248383	Sequence 248383,
301	c	8	2.6	622	16	US-10-027-632-190162	Sequence 190162,
302	c	8	2.6	622	16	US-10-027-632-190163	Sequence 190163,
303		8	2.6	622	16	US-10-027-632-248381	Sequence 248381,
304		8	2.6	622	16	US-10-027-632-248382	Sequence 248382,
305		8	2.6	622	16	US-10-027-632-248383	Sequence 248383,
306		8	2.6	628	13	US-10-027-632-224642	Sequence 224642,
307		8	2.6	628	13	US-10-027-632-224643	Sequence 224643,
308		8	2.6	628	13	US-10-027-632-224644	Sequence 224644,
309		8	2.6	628	16	US-10-027-632-224642	Sequence 224642,
310		8	2.6	628	16	US-10-027-632-224643	Sequence 224643,
311		8	2.6	628	16	US-10-027-632-224644	Sequence 224644,
312		8	2.6	643	9	US-09-770-149-597	Sequence 597, App
313		8	2.6	643	13	US-10-027-632-267586	Sequence 267586,
314		8	2.6	643	13	US-10-027-632-267587	Sequence 267587,
315		8	2.6	643	16	US-10-027-632-267586	Sequence 267586,
316		8	2.6	643	16	US-10-027-632-267587	Sequence 267587,
317		8	2.6	646	13	US-10-027-632-200032	Sequence 200032,
318		8	2.6	646	16	US-10-027-632-200032	Sequence 200032,
319	c	8	2.6	661	13	US-10-425-114-28276	Sequence 28276, A
320	c	8	2.6	661	13	US-10-027-632-205348	Sequence 205348,
321	c	8	2.6	661	13	US-10-027-632-205349	Sequence 205349,
322	c	8	2.6	661	16	US-10-027-632-205348	Sequence 205348,
323		8	2.6	661	16	US-10-027-632-205349	Sequence 205349,
324		8	2.6	668	16	US-10-027-632-7080	Sequence 7080, Ap
325		8	2.6	668	16	US-10-027-632-7080	Sequence 7080, Ap
326		8	2.6	669	14	US-10-000-639-1	Sequence 1, Appl
327	c	8	2.6	673	16	US-10-027-632-262081	Sequence 262081,
328	c	8	2.6	673	16	US-10-027-632-262081	Sequence 262081,
329	c	8	2.6	678	10	US-09-774-381-45	Sequence 45, Appl
330	c	8	2.6	678	13	US-10-424-599-65538	Sequence 65538, A
331		8	2.6	694	13	US-10-424-599-12929	Sequence 12929, A
332		8	2.6	723	13	US-10-027-632-135518	Sequence 135518,
333		8	2.6	723	13	US-10-027-632-156019	Sequence 156019,
334		8	2.6	723	13	US-10-027-632-156020	Sequence 156020,
335		8	2.6	723	16	US-10-027-632-135518	Sequence 135518,
336		8	2.6	723	16	US-10-027-632-156019	Sequence 156019,
337		8	2.6	723	16	US-10-027-632-156020	Sequence 156020,
338		8	2.6	724	13	US-10-424-599-20514	Sequence 20514, A
339		8	2.6	727	10	US-09-814-353-20704	Sequence 20704, A
340		8	2.6	740	13	US-10-027-632-15618	Sequence 15618, A
341		8	2.6	740	16	US-10-027-632-15618	Sequence 15618, A
342		8	2.6	747	13	US-10-424-599-79567	Sequence 79567, A
343		8	2.6	749	13	US-10-424-599-128748	Sequence 128748,
344		8	2.6	765	16	US-10-369-493-31765	Sequence 31765, A
345		8	2.6	780	13	US-10-369-493-35739	Sequence 35739, A
346	c	8	2.6	807	13	US-10-027-632-156192	Sequence 156192,
347	c	8	2.6	807	16	US-10-027-632-156192	Sequence 156192,
348	c	8	2.6	833	9	US-09-987-967-1	Sequence 1, Appli
349		8	2.6	836	11	US-09-764-875-425	Sequence 425, App
350		8	2.6	841	13	US-10-424-599-135930	Sequence 135930,
351		8	2.6	855	17	US-10-416-314-87	Sequence 87, Appl
352		8	2.6	856	13	US-10-027-632-8091	Sequence 8091, Ap
353		8	2.6	859	16	US-10-027-632-8091	Sequence 8091, Ap
354		8	2.6	859	14	US-10-062-254-219	Sequence 219, App
355		8	2.6	873	15	US-10-198-846-6190	Sequence 6190, App
356		8	2.6	886	16	US-10-291-265-644	Sequence 644, App
357		8	2.6	889	13	US-10-027-632-164330	Sequence 164331,
358		8	2.6	889	13	US-10-027-632-164331	Sequence 164330,
359		8	2.6	889	16	US-10-027-632-164330	Sequence 164331,
360		8	2.6	889	16	US-10-027-632-164331	Sequence 164331,
361	c	8	2.6	898	9	US-09-925-301-367	Sequence 367, App
362		8	2.6	901	13	US-10-425-114-20916	Sequence 20916, A
363		8	2.6	963	11	US-09-764-875-114	Sequence 114, App
364		8	2.6	971	10	US-09-956-622A-16	Sequence 16, Appl

	#					accession	sequence
c	365	2.6	8	976	9	US-09-974-300-1559	Sequence 1559, Ap
c	366	2.6	8	993	15	US-10-174-693-201	Sequence 201, App
c	367	2.6	8	1002	13	US-10-282-122A-40672	Sequence 40672, A
c	368	2.6	8	1005	16	US-10-291-265-172	Sequence 172, App
c	369	2.6	8	1010	13	US-10-027-632-256702	Sequence 256702,
c	370	2.6	8	1010	16	US-10-027-632-256702	Sequence 256702,
c	371	2.6	8	1017	13	US-10-425-114-21853	Sequence 21853, A
	372	2.6	8	1050	16	US-09-764-877-325	Sequence 325, App
c	373	2.6	8	1050	13	US-10-242-515-325	Sequence 325, App
	374	2.6	8	1092	10	US-09-989-442-157	Sequence 157, App
c	375	2.6	8	1119	13	US-10-363-616-177	Sequence 177, App
c	376	2.6	8	1138	13	US-10-425-114-31500	Sequence 31500, A
c	377	2.6	8	1140	13	US-10-027-632-252649	Sequence 252649,
	378	2.6	8	1140	16	US-10-027-632-252649	Sequence 252649,
c	379	2.6	8	1144	13	US-10-425-114-31022	Sequence 31022, A
c	380	2.6	8	1165	16	US-10-027-632-116567	Sequence 116567,
c	381	2.6	8	1165	13	US-10-027-632-116567	Sequence 116567,
c	382	2.6	8	1170	13	US-10-425-114-26510	Sequence 26510, A
c	383	2.6	8	1200	16	US-10-369-493-45394	Sequence 45394, A
c	384	2.6	8	1209	16	US-10-369-493-43832	Sequence 43832, A
c	385	2.6	8	1222	10	US-09-822-846-575	Sequence 575, App
c	386	2.6	8	1232	13	US-10-027-632-30649	Sequence 30649, A
c	387	2.6	8	1232	16	US-10-027-632-30649	Sequence 30649, A
c	388	2.6	8	1249	13	US-10-425-114-10816	Sequence 10816, A
c	389	2.6	8	1272	13	US-10-425-114-24635	Sequence 24635, A
c	390	2.6	8	1280	15	US-10-198-846-13951	Sequence 13951, A
	391	2.6	8	1283	16	US-10-425-114-17599	Sequence 17599, A
c	392	2.6	8	1283	13	US-10-027-632-124495	Sequence 124495,
c	393	2.6	8	1283	13	US-10-027-632-124496	Sequence 124496,
c	394	2.6	8	1283	16	US-10-027-632-124497	Sequence 124497,
c	395	2.6	8	1283	16	US-10-027-632-124495	Sequence 124495,
c	396	2.6	8	1283	16	US-10-027-632-124496	Sequence 124496,
c	397	2.6	8	1283	16	US-10-027-632-124497	Sequence 124497,
	398	2.6	8	1286	15	US-10-132-829-3	Sequence 3, Appli
	399	2.6	8	1286	15	US-10-136-819-1	Sequence 1, Appli
c	400	2.6	8	1286	13	US-10-133-907-3	Sequence 3, Appli
c	401	2.6	8	1297	13	US-10-156-761-343	Sequence 343, App
c	402	2.6	8	1304	16	US-10-158-057-32	Sequence 32, App
c	403	2.6	8	1307	13	US-10-264-049-929	Sequence 929, App
	404	2.6	8	1307	16	US-09-934-455-303	Sequence 303, App
c	405	2.6	8	1307	13	US-10-412-699B-447	Sequence 447, App
c	406	2.6	8	1307	16	US-10-225-066A-725	Sequence 725, App
c	407	2.6	8	1307	16	US-10-286-264-111	Sequence 111, App
c	408	2.6	8	1327	16	US-10-374-780A-2395	Sequence 2395, Ap
	409	2.6	8	1327	10	US-09-822-846-82	Sequence 82, Appl
	410	2.6	8	1328	10	US-09-822-846-83	Sequence 83, Appl
	411	2.6	8	1328	9	US-09-935-390A-2	Sequence 2, Appli
c	412	2.6	8	1335	13	US-10-425-114-10905	Sequence 10905, A
c	413	2.6	8	1339	10	US-09-533-029-99	Sequence 99, Appl
	414	2.6	8	1339	16	US-10-278-173-107	Sequence 107, App
c	415	2.6	8	1339	15	US-10-278-536-121	Sequence 121, App
c	416	2.6	8	1339	16	US-10-374-780A-2017	Sequence 2017, Ap
	417	2.6	8	1341	13	US-10-424-599-126934	Sequence 126934,
	418	2.6	8	1387	13	US-09-828-313-13	Sequence 13, Appl
	419	2.6	8	1389	16	US-10-369-493-24255	Sequence 24255, A
c	420	2.6	8	1395	9	US-09-712-363-36	Sequence 36, Appl
c	421	2.6	8	1395	13	US-10-282-122A-28291	Sequence 28291, A
c	422	2.6	8	1434	13	US-10-282-122A-40716	Sequence 40716, A
c	423	2.6	8	1434	16	US-10-369-493-24188	Sequence 24188, A
	424	2.6	8	1446	13	US-10-282-122A-21689	Sequence 21689, A
c	425	2.6	8	1450	16	US-10-262-445-127	Sequence 127, App
c	426	2.6	8	1456	13	US-10-424-599-87287	Sequence 87287, A
	427	2.6	8	1462	9	US-09-925-302-48	Sequence 48, Appl
c	428	2.6	8	1462	13	US-10-412-699B-327	Sequence 327, App
c	429	2.6	8	1462	13	US-09-925-302-48	Sequence 48, Appl
c	430	2.6	8	1521	13	US-10-424-599-63354	Sequence 63354, A
c	431	2.6	8	1557	13	US-10-424-599-60845	Sequence 60845, A
c	432	2.6	8	1579	16	US-09-925-297-327	Sequence 327, App
	433	2.6	8	1619	13	US-10-302-172-640	Sequence 640, App
c	434	2.6	8	1621	15	US-10-017-161-2093	Sequence 2093, Ap
c	435	2.6	8	1621	16	US-10-292-798-1739	Sequence 1739, Ap
	436	2.6	8	1629	9	US-09-880-107-1799	Sequence 1799, Ap
c	437	2.6	8	1629	15	US-10-146-473-12	Sequence 12, Appl
c	438	2.6	8	1632	9	US-09-925-302-326	Sequence 326, App
c	439	2.6	8	1632	13	US-09-925-302-326	Sequence 326, App
c	440	2.6	8	1635	13	US-10-087-192-509	Sequence 509, App
c	441	2.6	8	1647	17	US-10-308-163-7	Sequence 7, Appli
c	442	2.6	8	1653	13	US-10-425-114-31628	Sequence 31628, A
c	443	2.6	8	1657	9	US-09-984-245-69	Sequence 69, Appl
c	444	2.6	8	1657	10	US-09-966-262-69	Sequence 69, Appl
c	445	2.6	8	1657	13	US-09-983-966-69	Sequence 69, Appl
c	446	2.6	8	1657	13	US-10-059-395-69	Sequence 69, Appl
c	447	2.6	8	1657	15	US-10-143-090-69	Sequence 69, Appl
c	448	2.6	8	1662	13	US-10-276-774-1030	Sequence 1030, Ap
c	449	2.6	8	1668	13	US-10-425-114-2656	Sequence 2656, Ap
c	450	2.6	8	1695	13	US-10-425-114-27912	Sequence 27912, A
c	451	2.6	8	1733	13	US-10-425-114-31613	Sequence 31613, A
c	452	2.6	8	1771	15	US-10-193-002-13	Sequence 13, Appl
c	453	2.6	8	1771	15	US-10-084-843-13	Sequence 13, Appl
c	454	2.6	8	1783	16	US-10-108-260A-2170	Sequence 2170, Ap
c	455	2.6	8	1787	13	US-10-112-944-135	Sequence 135, App
	456	2.6	8	1797	9	US-09-731-449-3	Sequence 3, Appli
c	457	2.6	8	1797	15	US-10-254-426-3	Sequence 3, Appli
c	458	2.6	8	1882	13	US-10-425-114-30415	Sequence 30415, A
c	459	2.6	8	1887	13	US-10-094-749-1572	Sequence 1572, Ap
c	460	2.6	8	2000	16	US-10-260-238-1623	Sequence 1623, Ap
c	461	2.6	8	2018	16	US-10-093-463-179	Sequence 179, App
	462	2.6	8	2019	13	US-09-801-388-199	Sequence 199, App
c	463	2.6	8	2023	13	US-10-276-774-920	Sequence 920, App
	464	2.6	8	2031	9	US-09-801-368-301	Sequence 301, App
c	465	2.6	8	2071	16	US-10-094-749-600	Sequence 600, App
c	466	2.6	8	2126	9	US-09-833-381-1979	Sequence 1979, Ap
c	467	2.6	8	2175	16	US-10-108-260A-1634	Sequence 1634, Ap
c	468	2.6	8	2197	13	US-10-425-114-15142	Sequence 15142, A
c	469	2.6	8	2226	16	US-10-104-047-1354	Sequence 1354, Ap
c	470	2.6	8	2283	13	US-10-282-122A-28019	Sequence 28019, A
	471	2.6	8	2286	9	US-09-800-729-43	Sequence 43, Appl
	472	2.6	8	2288	13	US-10-425-114-14125	Sequence 14125, A
c	473	2.6	8	2314	15	US-10-011-548-9	Sequence 9, Appli
	474	2.6	8	2329	9	US-09-800-729-11	Sequence 11, Appl
c	475	2.6	8	2341	13	US-10-425-114-2607	Sequence 2607, Ap
c	476	2.6	8	2351	10	US-09-866-050A-544	Sequence 544, App
c	477	2.6	8	2351	15	US-10-152-661-544	Sequence 544, App
c	478	2.6	8	2353	13	US-10-425-114-26671	Sequence 26671, A
	479	2.6	8	2355	9	US-09-800-729-27	Sequence 27, Appl
c	480	2.6	8	2391	16	US-10-169-493-34262	Sequence 34262, A
c	481	2.6	8	2412	16	US-10-108-260A-2329	Sequence 2329, Ap
c	482	2.6	8	2427	17	US-10-641-643-457	Sequence 457, App
c	483	2.6	8	2446	12	US-10-152-319A-1656	Sequence 1656, Ap
	484	2.6	8	2446	16	US-10-191-803-87	Sequence 87, Appl
c	485	2.6	8	2462	10	US-09-774-381-43	Sequence 43, Appl
c	486	2.6	8	2480	15	US-10-103-683-6	Sequence 6, Appli
c	487	2.6	8	2520	16	US-10-424-599-46623	Sequence 46623, A
c	488	2.6	8	2520	15	US-10-289-161A-7	Sequence 7, Appli
c	489	2.6	8	2520	15	US-10-289-161A-8	Sequence 8, Appli
	490	2.6	8	2565	16	US-10-258-073-5	Sequence 5, Appli
c	491	2.6	8	2580	13	US-10-425-114-5212	Sequence 5212, Ap
c	492	2.6	8	2591	10	US-09-029-079	Sequence 79, Appl
c	493	2.6	8	2681	9	US-09-981-421-1	Sequence 1, Appli
c	494	2.6	8	2681	13	US-10-212-287-6	Sequence 6, Appli
c	495	2.6	8	2681	13	US-10-212-356A-6	Sequence 6, Appli
c	496	2.6	8	2681	15	US-10-171-581-327	Sequence 327, App
c	497	2.6	8	2710	15	US-10-439-458-1	Sequence 1, Appli
c	498	2.6	8	2740	16	US-10-276-774-1333	Sequence 1333, Ap
c	499	2.6	8	2752	13	US-10-369-493-36996	Sequence 36996, A
	500	2.6	8	2752	9	US-09-731-449-1	Sequence 1, Appli
c	501	2.6	8	2858	15	US-10-254-426-1	Sequence 1, Appli
c	502	2.6	8	2871	16	US-10-104-047-1226	Sequence 1226, Ap
c	503	2.6	8	2906	15	US-10-303-683-4	Sequence 4, Appli
c	504	2.6	8	2906	16	US-10-303-683-3	Sequence 3, Appli
c	505	2.6	8	2915	16	US-10-353-690-113	Sequence 113, App
	506	2.6	8	2915	9	US-09-782-980-70	Sequence 70, Appl
c	507	2.6	8	2964	13	US-10-087-192-332	Sequence 332, App
c	508	2.6	8	2964	15	US-10-303-683-5	Sequence 5, Appli
c	509	2.6	8	2997	13	US-10-081-056-337	Sequence 337, App
c	510	2.6	8	2997	13	US-10-305-654-337	Sequence 337, App

Left margin (rotated): us 10 847 021 88.origo.imps

Left block (rows 511–583)

#		2.6	8	ID	Len	Accession	Sequence
511	c	2.6	8	2997	15	US-10-223-085-337	Sequence 337, App
512	c	2.6	8	2997	15	US-10-223-084-337	Sequence 337, App
513	c	2.6	8	2997	15	US-10-223-088-337	Sequence 787, App
514	c	2.6	8	2997	15	US-10-223-090-337	Sequence 337, App
515	c	2.6	8	2997	15	US-10-223-087-337	Sequence 337, App
516		2.6	8	2997	15	US-10-223-083-337	Sequence 337, App
517	c	2.6	8	2997	15	US-10-223-089-337	Sequence 337, App
518	c	2.6	8	2997	15	US-10-223-081-337	Sequence 337, App
519	c	2.6	8	2997	15	US-10-223-082-337	Sequence 337, App
520	c	2.6	8	2997	16	US-10-439-388-42	Sequence 42, Appl
521	c	2.6	8	2997	16	US-10-159-563-435	Sequence 435, App
522		2.6	8	3056	13	US-10-027-632-114179	Sequence 114179,
523	c	2.6	8	3056	13	US-10-027-632-114180	Sequence 114180,
524	c	2.6	8	3056	16	US-10-027-632-114179	Sequence 114179,
525	c	2.6	8	3056	16	US-10-027-632-114180	Sequence 114180,
526		2.6	8	3178	10	US-10-308-207-7	Sequence 7, Appli
527	c	2.6	8	3188	13	US-10-453-792-293	Sequence 293, App
528	c	2.6	8	3215	15	US-10-209-264-1	Sequence 1, Appl
529	c	2.6	8	3230	10	US-09-971-429B-45	Sequence 45, Appl
530		2.6	8	3230	13	US-10-116-802-242	Sequence 242, App
531	c	2.6	8	3306	13	US-10-342-887-1572	Sequence 1572, Ap
532	c	2.6	8	3306	13	US-10-172-118-1572	Sequence 1572, Ap
533		2.6	8	3363	9	US-09-781-080B-10	Sequence 10, Appl
534	c	2.6	8	3367	9	US-09-745-763-105	Sequence 105, App
535	c	2.6	8	4078	16	US-10-305-720-1132	Sequence 1132, Ap
536	c	2.6	8	4135	16	US-10-360-493-27067	Sequence 27067, A
537	c	2.6	8	4166	9	US-09-782-980-73	Sequence 73, Appl
538		2.6	8	4465	9	US-09-854-173A-11	Sequence 11, Appl
539	c	2.6	8	4526	14	US-10-108-605-112	Sequence 112, App
540	c	2.6	8	5271	17	US-10-450-826-125	Sequence 125, App
541		2.6	8	5293	9	US-09-900-708-1	Sequence 1, Appl
542	c	2.6	8	5504	17	US-10-450-826-94	Sequence 94, Appl
543	c	2.6	8	5504	17	US-10-717-597-286	Sequence 286, App
544	c	2.6	8	5942	16	US-10-221-613-92	Sequence 92, Appl
545	c	2.6	8	5942	15	US-10-172-086-16	Sequence 16, Appl
546	c	2.6	8	6143	17	US-10-210-838-11	Sequence 11, Appl
547	c	2.6	8	6263	17	US-10-641-643-1473	Sequence 1473, Ap
548	c	2.6	8	6307	16	US-10-242-355-884	Sequence 884, App
549	c	2.6	8	6318	16	US-10-242-355-882	Sequence 882, App
550	c	2.6	8	6363	16	US-10-641-643-879	Sequence 879, App
551		2.6	8	6727	9	US-09-800-629A-1	Sequence 1, Appli
552	c	2.6	8	7389	9	US-09-764-868-1448	Sequence 1448, Ap
553	c	2.6	8	7389	9	US-09-764-868-1448	Sequence 1448, Ap
554		2.6	8	7702	17	US-10-210-838-4	Sequence 4, Appli
555	c	2.6	8	7702	17	US-10-641-643-1336	Sequence 1336, Ap
556	c	2.6	8	7705	16	US-10-291-265-486	Sequence 486, App
557	c	2.6	8	7718	15	US-10-175-523-192	Sequence 192, App
558	c	2.6	8	7718	16	US-10-133-937-9	Sequence 9, Appli
559	c	2.6	8	7718	16	US-10-159-563-9	Sequence 9, Appli
560	c	2.6	8	7724	17	US-10-210-838-18	Sequence 18, Appl
561	c	2.6	8	7741	16	US-10-291-265-14	Sequence 14, Appl
562		2.6	8	8232	15	US-10-198-846-10976	Sequence 10976, A
563	c	2.6	8	8902	13	US-10-363-514-1	Sequence 1, Appli
564	c	2.6	8	9549	15	US-10-204-887-31	Sequence 31, Appl
565	c	2.6	8	9887	14	US-10-000-639-7	Sequence 7, Appl
566	c	2.6	8	10144	9	US-09-880-107-2168	Sequence 2168, Ap
567	c	2.6	8	11260	15	US-10-239-676-20	Sequence 20, Appl
568	c	2.6	8	11260	15	US-10-240-453-28	Sequence 28, Appl
569	c	2.6	8	13024	10	US-09-764-891-7427	Sequence 7427, App
570	c	2.6	8	14542	15	US-10-221-613-106	Sequence 106, App
571	c	2.6	8	14576	15	US-10-017-161-705	Sequence 705, App
572	c	2.6	8	14798	15	US-10-311-455-1005	Sequence 1005, Ap
573	c	2.6	8	22147	15	US-10-087-192-508	Sequence 508, App
574	c	2.6	8	22268	17	US-10-450-826-126	Sequence 126, App
575	c	2.6	8	27299	13	US-10-087-192-937	Sequence 937, App
576		2.6	8	27684	15	US-10-034-650-28	Sequence 28, Appl
577	c	2.6	8	30420	15	US-09-764-877-2432	Sequence 2432, Ap
578	c	2.6	8	30420	10	US-09-764-891-9164	Sequence 9164, Ap
579	c	2.6	8	30420	15	US-10-091-572-740	Sequence 740, App
580	c	2.6	8	30420	16	US-10-242-515-2432	Sequence 2432, App
581	c	2.6	8	30990	15	US-10-017-161-1807	Sequence 1807, App
582	c	2.6	8	31718	10	US-09-764-872-812	Sequence 812, App
583	c	2.6	8	31718	10	US-09-764-872-813	Sequence 813, App

Right block (rows 584–656)

#		ID	2.6	8	Len	Accession	Sequence
584	c	31718	2.6	8	10	US-09-764-891-9103	Sequence 9103, Ap
585		31718	2.6	8	10	US-09-764-891-9104	Sequence 9104, Ap
586	c	31718	2.6	8	13	US-09-973-278-787	Sequence 787, App
587	c	31718	2.6	8	13	US-09-973-278-788	Sequence 788, App
588	c	33795	2.6	8	9	US-09-880-107-2184	Sequence 2184, Ap
589	c	35192	2.6	8	13	US-10-271-416-5	Sequence 5, Appli
590	c	36783	2.6	8	11	US-09-984-429-357	Sequence 357, App
591		44748	2.6	8	13	US-10-087-192-325	Sequence 325, App
592	c	46050	2.6	8	9	US-09-820-003-3	Sequence 3, Appli
593	c	57699	2.6	8	15	US-10-365-646-3	Sequence 3, Appli
594		60327	2.6	8	12	US-10-052-482-187	Sequence 187, App
595	c	60940	2.6	8	12	US-10-052-482-88	Sequence 88, Appl
596	c	67191	2.6	8	12	US-09-997-722-169	Sequence 169, App
597		67191	2.6	8	15	US-10-105-612-1	Sequence 1, Appli
598	c	70000	2.6	8	15	US-10-210-723-13	Sequence 13, Appl
599	c	71057	2.6	8	13	US-10-087-192-409	Sequence 409, App
600	c	71251	2.6	8	13	US-10-087-192-355	Sequence 355, App
601	c	87331	2.6	8	13	US-10-087-192-286	Sequence 286, App
602	c	94001	2.6	8	17	US-10-210-838-20	Sequence 20, Appl
603	c	94381	2.6	8	13	US-10-097-722-31	Sequence 31, Appl
604	c	97247	2.6	8	13	US-10-087-192-688	Sequence 688, App
605		133893	2.6	8	14	US-10-161-510-1	Sequence 1, Appli
606	c	133893	2.6	8	14	US-10-161-510-1	Sequence 1, Appli
607	c	147309	2.6	8	9	US-09-742-312-3	Sequence 3, Appli
608	c	147309	2.6	8	10	US-10-436-185-3	Sequence 3, Appli
609	c	154746	2.6	8	13	US-09-827-688-8	Sequence 8, Appli
610		160921	2.6	8	13	US-10-087-192-1672	Sequence 1672, Ap
611	c	188017	2.6	8	13	US-10-087-192-1951	Sequence 1951, Ap
612	c	247682	2.6	8	13	US-10-235-192A-28	Sequence 28, Appl
613		295096	2.6	8	13	US-10-087-192-331	Sequence 331, App
614	c	368004	2.6	8	9	US-09-949-654-3	Sequence 3, Appli
615	c	374849	2.6	8	13	US-10-087-192-1627	Sequence 1627, Ap
616	c	401616	2.6	8	13	US-10-087-192-1630	Sequence 1630, Ap
617	c	418550	2.6	8	16	US-10-292-798-1463	Sequence 1463, Ap
618	c	439892	2.6	8	16	US-10-087-192-454	Sequence 454, App
619	c	495269	2.6	8	16	US-10-398-221-8	Sequence 8, Appli
620	c	640681	2.6	8	9	US-09-790-988-1	Sequence 1, Appli
621		1691139	2.6	8	15	US-10-067-514-1	Sequence 1, Appli
622	c	1691139	2.6	8	16	US-10-419-723-1	Sequence 1, Appli
623		3011208	2.6	8	16	US-10-398-221-2058	Sequence 2058, Ap
624		3186778	2.6	8	13	US-10-027-632-174961	Sequence 174961,
625	c	3186778	2.6	8	16	US-10-027-632-174961	Sequence 174961,
626	c	9025608	2.6	8	16	US-10-312-841-2	Sequence 2, Appli
627		9025608	2.6	8	15	US-10-156-761-1	Sequence 1, Appli
628	c	24	2.3	7	10	US-09-940-185-320	Sequence 320, App
629		24	2.3	7	11	US-09-981-151A-98	Sequence 98, Appl
630		24	2.3	7	10	US-10-004-378A-179	Sequence 179, App
631		25	2.3	7	15	US-10-940-185-4298	Sequence 4298, Ap
632		25	2.3	7	15	US-10-098-263B-62954	Sequence 62954, A
633		25	2.3	7	17	US-10-283-881-29	Sequence 29, Appl
634	c	36	2.3	7	16	US-10-418-182-55	Sequence 55, Appl
635		36	2.3	7	16	US-10-383-864-118	Sequence 118, App
636		36	2.3	7	15	US-10-418-182-76	Sequence 76, Appl
637	c	40	2.3	7	16	US-10-418-182-84	Sequence 84, Appl
638		40	2.3	7	16	US-10-283-881-65	Sequence 65, Appl
639	c	40	2.3	7	15	US-10-438-340A-48	Sequence 48, Appl
640		45	2.3	7	16	US-10-438-340A-53	Sequence 53, Appl
641		45	2.3	7	10	US-09-978-917A-9	Sequence 9, Appl
642	c	45	2.3	7	10	US-09-978-917A-10	Sequence 10, Appl
643		46	2.3	7	13	US-09-997-623-9	Sequence 9, Appli
644		46	2.3	7	13	US-09-997-623-10	Sequence 10, Appl
645		46	2.3	7	15	US-10-140-164-67	Sequence 67, Appl
646		50	2.3	7	15	US-10-140-164-69	Sequence 69, Appl
647		50	2.3	7	13	US-10-073-333A-36	Sequence 36, Appl
648	c	56	2.3	7	13	US-10-131-827-113	Sequence 113, App
649		59	2.3	7	15	US-10-131-827-3554	Sequence 3554, Ap
650		60	2.3	7	16	US-10-131-827-3737	Sequence 3737, Ap
651		65	2.3	7	16	US-10-001-670-21	Sequence 21, Appl
652		65	2.3	7	15	US-10-001-670-22	Sequence 22, Appl
653	c		2.3	7	10	US-09-908-975-6099	Sequence 6099, Ap
654			2.3	7	10	US-09-908-975-118	Sequence 118, App
655	c		2.3	7	10	US-09-908-975-25780	Sequence 25780, A

us-10-047-021-86.oligo.rnpb

No.			len	US-ID	Idx	Sequence
c	730	2.3 r	9	US-09-864-761-24388	173	Sequence 24388, A
c	731	2.3 r	9	US-09-864-761-29931	174	Sequence 29931, A
c	732	2.3 r	15	US-10-029-386-13998	174	Sequence 13998, A
c	733	2.3 r	15	US-10-029-386-14330	174	Sequence 14330, A
	734	2.3 r	9	US-09-745-288-29	175	Sequence 29, Appl
	735	2.3 r	13	US-10-195-453-919-29	175	Sequence 29, Appl
c	736	2.3 r	9	US-09-864-761-24707	178	Sequence 24707, A
	737	2.3 r	9	US-09-864-761-27022	178	Sequence 27022, A
	738	2.3 r	9	US-09-563-817-805	180	Sequence 805, App
	739	2.3 r	9	US-09-864-761-28955	180	Sequence 28955, App
	740	2.3 r	13	US-10-085-783A-5759	183	Sequence 5759, Ap
	741	2.3 r	16	US-10-242-535A-5759	186	Sequence 5759, App
	742	2.3 r	13	US-10-433-561-62	186	Sequence 62, Appl
	743	2.3 r	17	US-10-074-475-35	188	Sequence 62, Appl
	744	2.3 r	9	US-09-754-997A-9	188	Sequence 9, Appli
	745	2.3 r	15	US-10-029-386-13990	192	Sequence 13990, A
c	746	2.3 r	13	US-09-864-761-23864	195	Sequence 23864, A
c	747	2.3 r	13	US-09-864-761-29281	196	Sequence 29281, A
	748	2.3 r	15	US-09-864-761-18976	196	Sequence 18976, A
c	749	2.3 r	13	US-10-085-783A-58594	197	Sequence 58594, A
c	750	2.3 r	16	US-10-242-535A-58594	198	Sequence 58594, A
c	751	2.3 r	9	US-09-815-343-92	198	Sequence 92, Appl
c	752	2.3 r	13	US-10-097-105-92	201	Sequence 92, Appl
c	753	2.3 r	16	US-10-393-840-279	201	Sequence 279, App
c	754	2.3 r	13	US-10-085-783A-36224	203	Sequence 36224, A
c	755	2.3 r	16	US-10-242-535A-36224	204	Sequence 36224, A
c	756	2.3 r	9	US-09-864-761-22233	204	Sequence 22233, A
c	757	2.3 r	13	US-10-424-599-90939	205	Sequence 90939, A
c	758	2.3 r	13	US-09-783-590-11058	206	Sequence 11058, A
c	759	2.3 r	9	US-09-796-692-3837	212	Sequence 3837, Ap
c	760	2.3 r	15	US-10-040-862-3837	212	Sequence 3837, Ap
c	761	2.3 r	15	US-10-057-475B-3837	212	Sequence 3837, Ap
c	762	2.3 r	16	US-10-154-884B-3837	213	Sequence 3837, Ap
c	763	2.3 r	16	US-09-974-300-4183	213	Sequence 4183, Ap
c	764	2.3 r	9	US-09-764-860-1050	214	Sequence 1050, Ap
c	765	2.3 r	15	US-10-097-105-1050	214	Sequence 1050, Ap
c	766	2.3 r	16	US-10-212-872-1050	214	Sequence 1050, App
c	767	2.3 r	16	US-10-191-803-343	215	Sequence 343, App
c	768	2.3 r	15	US-09-764-860-234	215	Sequence 234, App
c	769	2.3 r	9	US-09-764-860-1051	215	Sequence 1051, Ap
c	770	2.3 r	15	US-10-074-095-234	215	Sequence 234, Ap
c	771	2.3 r	15	US-10-074-095-1051	215	Sequence 1051, Ap
c	772	2.3 r	16	US-10-212-872-234	216	Sequence 234, App
c	773	2.3 r	16	US-10-212-872-1051	216	Sequence 1051, App
c	774	2.3 r	9	US-09-796-692-6275	216	Sequence 6275, Ap
c	775	2.3 r	15	US-10-040-862-6275	216	Sequence 6275, Ap
c	776	2.3 r	15	US-10-057-475B-6275	216	Sequence 6275, Ap
c	777	2.3 r	16	US-10-154-884B-6275	218	Sequence 6275, Ap
c	778	2.3 r	16	US-10-029-386-19346	222	Sequence 19346, A
c	779	2.3 r	13	US-10-085-783A-5939	222	Sequence 5939, Ap
c	780	2.3 r	16	US-10-242-535A-5939	225	Sequence 5939, Ap
c	781	2.3 r	11	US-09-864-408A-7255	228	Sequence 7255, Ap
c	782	2.3 r	13	US-10-085-783A-11825	228	Sequence 11825, A
c	783	2.3 r	16	US-10-242-535A-11825	229	Sequence 11825, A
c	784	2.3 r	9	US-09-305-720-594	231	Sequence 594, App
c	785	2.3 r	9	US-09-864-761-22021	233	Sequence 22021, A
c	786	2.3 r	13	US-10-062-727-329	236	Sequence 329, App
c	787	2.3 r	13	US-10-424-599-1798	236	Sequence 1798, Ap
c	788	2.3 r	13	US-10-424-599-113611	237	Sequence 113611,
c	789	2.3 r	13	US-10-433-561-83	237	Sequence 83, Appl
c	790	2.3 r	13	US-10-085-783A-7803	237	Sequence 7803, Ap
c	791	2.3 r	15	US-10-066-543-964	237	Sequence 964, App
c	792	2.3 r	15	US-10-029-386-17295	237	Sequence 17295, A
c	793	2.3 r	15	US-10-369-324-11	237	Sequence 11, Appl
c	794	2.3 r	16	US-10-242-535A-7803	237	Sequence 7803, Ap
c	795	2.3 r	17	US-10-607-538-11	238	Sequence 11, Appl
c	796	2.3 r	17	US-10-477-726-83	238	Sequence 83, Appl
c	797	2.3 r	9	US-09-783-590-35	238	Sequence 35, Appl
c	798	2.3 r	13	US-10-085-783A-44900	238	Sequence 44900, A
c	799	2.3 r	16	US-10-242-535A-44900	239	Sequence 44900, A
c	800	2.3 r	13	US-10-027-632-283353	239	Sequence 283353,
c	801	2.3 r	16	US-10-027-632-283353	239	Sequence 283353,
c	802	2.3 r				

Mon Jun 28 09:06:57 2004

No.			len	US-ID	Sequence
c	657	2.3 r	10	US-09-908-975-30856	Sequence 30856, A
	658	2.3 r	15	US-10-032-585-3796	Sequence 3796, Ap
	659	2.3 r	9	US-09-864-761-24218	Sequence 24218, A
	660	2.3 r	9	US-09-864-761-25630	Sequence 25630, A
	661	2.3 r	15	US-09-969-373-303	Sequence 303, Appl
	662	2.3 r	15	US-09-195-752-34	Sequence 34, Appl
	663	2.3 r	14	US-10-135-895-1	Sequence 1, Appli
	664	2.3 r	9	US-09-864-761-25873	Sequence 25873, A
c	665	2.3 r	8	US-08-781-986A-1624	Sequence 1624, Ap
	666	2.3 r	13	US-10-329-624-1624	Sequence 1624, Ap
	667	2.3 r	15	US-10-029-386-22401	Sequence 22401, A
	668	2.3 r	15	US-10-029-386-17340	Sequence 17340, A
	669	2.3 r	9	US-09-864-761-23042	Sequence 23042, A
c	670	2.3 r	9	US-09-969-373-10	Sequence 30, Appl
	671	2.3 r	15	US-10-029-386-26504	Sequence 26504, A
	672	2.3 r	10	US-09-535-459-1890	Sequence 1890, Ap
	673	2.3 r	17	US-10-624-947-81	Sequence 81, Appl
	674	2.3 r	17	US-10-624-947-82	Sequence 82, Appl
	675	2.3 r	9	US-09-764-877-2666	Sequence 2666, Ap
	676	2.3 r	16	US-10-242-515-2666	Sequence 2666, Ap
	677	2.3 r	15	US-10-029-386-14360	Sequence 14360, A
	678	2.3 r	9	US-09-730-857-68	Sequence 68, Appl
	679	2.3 r	16	US-10-307-005-2597	Sequence 2597, Ap
	680	2.3 r	16	US-10-307-005-2598	Sequence 2598, Ap
	681	2.3 r	16	US-10-388-934-195	Sequence 195, Appl
	682	2.3 r	9	US-09-563-817-780	Sequence 780, App
c	683	2.3 r	13	US-09-867-701-4560	Sequence 4560, Ap
	684	2.3 r	13	US-10-085-783A-18701	Sequence 18701, A
	685	2.3 r	16	US-10-242-535A-18701	Sequence 18701, A
	686	2.3 r	9	US-09-834-975-698	Sequence 698, App
	687	2.3 r	13	US-10-085-783A-17754	Sequence 17754, A
	688	2.3 r	15	US-10-283-881-26	Sequence 26, Appl
	689	2.3 r	16	US-10-242-535A-17754	Sequence 17754, A
	690	2.3 r	15	US-10-029-386-14193	Sequence 14193, A
	691	2.3 r	9	US-09-864-761-22501	Sequence 22501, A
	692	2.3 r	9	US-09-783-590-6808	Sequence 6808, Ap
	693	2.3 r	9	US-09-783-590-11612	Sequence 11612, A
	694	2.3 r	13	US-10-085-783A-6215	Sequence 6215, Ap
	695	2.3 r	16	US-10-242-535A-6215	Sequence 6215, Ap
	696	2.3 r	15	US-10-029-386-14166	Sequence 14166, A
	697	2.3 r	9	US-09-864-761-18450	Sequence 18450, A
	698	2.3 r	13	US-10-085-783A-4537	Sequence 4537, Ap
	699	2.3 r	16	US-10-242-535A-4537	Sequence 4537, Ap
	700	2.3 r	13	US-10-424-599-91663	Sequence 91663, A
	701	2.3 r	9	US-09-864-761-25309	Sequence 25309, A
	702	2.3 r	13	US-10-085-783A-4852	Sequence 4852, Ap
	703	2.3 r	16	US-10-242-535A-4852	Sequence 4852, Ap
	704	2.3 r	9	US-09-764-869-1904	Sequence 1904, Ap
	705	2.3 r	9	US-09-764-869-1905	Sequence 1905, Ap
	706	2.3 r	15	US-10-091-504-1904	Sequence 1904, Ap
	707	2.3 r	15	US-10-091-504-1905	Sequence 1905, Ap
	708	2.3 r	16	US-10-227-577-1904	Sequence 1904, Ap
	709	2.3 r	16	US-10-227-577-1905	Sequence 1905, Ap
	710	2.3 r	13	US-10-424-599-27883	Sequence 27883, A
	711	2.3 r	9	US-09-864-761-20014	Sequence 20014, A
c	712	2.3 r	9	US-09-864-761-20042	Sequence 20042, A
c	713	2.3 r	9	US-09-833-263-572	Sequence 572, App
c	714	2.3 r	9	US-09-922-217-572	Sequence 572, App
c	715	2.3 r	14	US-10-025-380-572	Sequence 572, App
c	716	2.3 r	9	US-09-864-761-21717	Sequence 21717, A
c	717	2.3 r	9	US-09-864-761-29856	Sequence 29856, A
c	718	2.3 r	9	US-09-864-761-21967	Sequence 21967, A
c	719	2.3 r	13	US-10-085-783A-25763	Sequence 25763, A
c	720	2.3 r	16	US-10-242-535A-25763	Sequence 25763, A
c	721	2.3 r	13	US-10-085-783A-6206	Sequence 6206, Ap
c	722	2.3 r	16	US-10-242-535A-6206	Sequence 6206, Ap
c	723	2.3 r	11	US-09-864-408A-8367	Sequence 8367, Ap
c	724	2.3 r	9	US-09-754-853A-268	Sequence 268, Appl
c	725	2.3 r	10	US-09-835-976B-16	Sequence 36, Appl
c	726	2.3 r	13	US-10-062-727-320	Sequence 320, App
c	727	2.3 r	13	US-10-029-386-19273	Sequence 19273, A
c	728	2.3 r	9	US-09-864-761-24321	Sequence 24321, A
c	729	2.3 r	9	US-09-864-761-19289	Sequence 19289, A

	#			Seq	Cnt	US ID	Sequence
	803	2.3	r	240	10	US-09-814-353-14524	Sequence 14524, A
	804	2.3	r	241	10	US-09-910-009A-19	Sequence 19, Appl
c	805	2.3	r	241	9	US-10-066-543-1100	Sequence 1100, Ap
c	806	2.3	r	242	13	US-10-424-599-93271	Sequence 93271, A
	807	2.3	r	243	9	US-09-864-761-22007	Sequence 22007, A
	808	2.3	r	243	9	US-09-954-456-202	Sequence 202, App
	809	2.3	r	243	9	US-09-880-107-1823	Sequence 1823, Ap
	810	2.3	r	244	10	US-09-918-995-32375	Sequence 32375, A
	811	2.3	r	245	15	US-09-864-761-28392	Sequence 28392, A
	812	2.3	r	245	15	US-10-106-698-938	Sequence 938, App
	813	2.3	r	245	9	US-09-764-869-1667	Sequence 1667, App
	814	2.3	r	246	15	US-10-091-504-1667	Sequence 1667, Ap
	815	2.3	r	246	16	US-10-227-577-1667	Sequence 1667, Ap
	816	2.3	r	247	9	US-10-242-535A-20500	Sequence 20500, A
	817	2.3	r	247	11	US-09-864-761-408A-133	Sequence 133, Appl
c	818	2.3	r	248	15	US-10-029-386-17720	Sequence 17720, A
	819	2.3	r	249	9	US-09-864-761-22859	Sequence 22859, A
c	820	2.3	r	249	13	US-10-085-783A-43239	Sequence 43239, A
c	821	2.3	r	249	13	US-10-085-783A-58720	Sequence 58720, A
	822	2.3	r	249	13	US-10-242-535A-43239	Sequence 43239, A
	823	2.3	r	249	16	US-10-242-535A-58720	Sequence 58720, A
	824	2.3	r	250	9	US-09-867-701-20	Sequence 20, Appl
	825	2.3	r	251	9	US-09-864-761-20881	Sequence 20881, A
c	826	2.3	r	251	10	US-09-535-459-1899	Sequence 1899, Ap
	827	2.3	r	251	13	US-09-960-352-838	Sequence 838, Appl
	828	2.3	r	252	15	US-09-960-352-3815	Sequence 3815, Ap
c	829	2.3	r	254	11	US-09-864-408A-925	Sequence 925, Appl
c	830	2.3	r	254	13	US-10-085-783A-38360	Sequence 38360, A
	831	2.3	r	254	16	US-10-242-535A-38360	Sequence 38360, A
	832	2.3	r	255	9	US-09-833-381-558	Sequence 558, App
	833	2.3	r	255	9	US-09-796-692-6137	Sequence 6137, Ap
c	834	2.3	r	255	13	US-10-424-599-66971	Sequence 66971, A
	835	2.3	r	255	15	US-10-040-862-6137	Sequence 6137, Ap
	836	2.3	r	255	16	US-10-057-475B-6137	Sequence 6137, Ap
	837	2.3	r	255	16	US-10-154-884B-6137	Sequence 6137, Ap
	838	2.3	r	256	9	US-09-923-876-3032	Sequence 3032, Ap
	839	2.3	r	256	9	US-09-923-876-5010	Sequence 5010, Ap
c	840	2.3	r	256	9	US-09-764-878-337	Sequence 337, App
	841	2.3	r	256	13	US-09-880-107-541	Sequence 541, App
c	842	2.3	r	256	13	US-09-923-876-3032	Sequence 3032, Ap
	843	2.3	r	256	15	US-09-923-876-5010	Sequence 5010, App
	844	2.3	r	256	11	US-10-062-727-366	Sequence 366, App
	845	2.3	r	256	15	US-10-079-854-337	Sequence 337, App
	846	2.3	r	258	9	US-09-960-352-1687	Sequence 1687, Ap
	847	2.3	r	258	13	US-10-424-599-45844	Sequence 45844, A
	848	2.3	r	259	9	US-09-867-701-10111	Sequence 10111, A
	849	2.3	r	260	13	US-10-433-561-19	Sequence 19, Appl
c	850	2.3	r	260	16	US-10-085-783A-46660	Sequence 46660, A
	851	2.3	r	260	16	US-10-242-535A-46660	Sequence 46660, A
	852	2.3	r	260	17	US-10-477-726-11	Sequence 11, Appl
	853	2.3	r	261	9	US-09-864-761-19524	Sequence 19524, A
	854	2.3	r	261	13	US-10-424-599-25517	Sequence 25517, A
c	855	2.3	r	261	11	US-09-864-408A-6979	Sequence 6979, Ap
	856	2.3	r	261	13	US-09-864-599-91371	Sequence 91371, A
	857	2.3	r	261	13	US-10-029-386-20098	Sequence 20098, A
	858	2.3	r	262	13	US-10-424-599-31561	Sequence 31561, A
	859	2.3	r	263	13	US-10-424-599-126060	Sequence 126060, A
c	860	2.3	r	263	16	US-10-085-783A-29700	Sequence 29700, A
	861	2.3	r	263	16	US-10-242-535A-29700	Sequence 29700, A
	862	2.3	r	264	13	US-10-085-783A-28535	Sequence 28535, A
c	863	2.3	r	264	16	US-10-242-535A-28535	Sequence 28535, A
	864	2.3	r	265	10	US-09-535-459-1894	Sequence 1894, Ap
c	865	2.3	r	267	9	US-10-424-599-46321	Sequence 46321, A
	866	2.3	r	267	9	US-09-777-564-436	Sequence 436, App
	867	2.3	r	267	9	US-09-777-564-569	Sequence 569, App
	868	2.3	r	267	13	US-09-777-564-577	Sequence 577, App
	869	2.3	r	267	15	US-09-777-564-1722	Sequence 1722, Ap
c	870	2.3	r	267	11	US-09-864-408A-2593	Sequence 2593, Ap
	871	2.3	r	267	15	US-10-015-219-436	Sequence 436, App
	872	2.3	r	267	15	US-10-015-219-569	Sequence 569, App
c	873	2.3	r	267	15	US-10-015-219-577	Sequence 577, App
	874	2.3	r	267	15	US-10-015-219-1722	Sequence 1722, Ap
	875	2.3	r	268	13	US-10-027-632-66957	Sequence 66957, A

Cnt	US ID	Seq				#		
15	US-10-284-753-12	268	2.3	r		876		Sequence 12, Appl
15	US-10-027-632-66957	268	2.3	r		877		Sequence 6957, A
9	US-10-066-543-25960	269	2.3	r	c	878		Sequence 25960, A
13	US-10-424-599-116338	269	2.3	r		879		Sequence 116338,
13	US-09-764-860-804	270	2.3	r	c	880		Sequence 804, App
13	US-10-085-783A-742	270	2.3	r		881		Sequence 742, App
15	US-10-074-095-804	270	2.3	r		882		Sequence 804, App
13	US-10-212-872-804	270	2.3	r		883		Sequence 804, App
16	US-10-193-840-278	270	2.3	r		884		Sequence 278, App
16	US-10-242-535A-742	272	2.3	r		885		Sequence 742, App
9	US-09-864-761-18684	272	2.3	r	c	886		Sequence 18684, A
16	US-09-864-761-22608	272	2.3	r		887		Sequence 22608, A
9	US-09-864-761-23147	272	2.3	r	c	888		Sequence 23147, A
13	US-10-424-599-110918	273	2.3	r	c	889		Sequence 110918,
9	US-09-923-876-5788	273	2.3	r		890		Sequence 5788, Ap
9	US-09-736-457-149	273	2.3	r	c	891		Sequence 149, App
9	US-09-902-941-149	273	2.3	r	c	892		Sequence 149, App
9	US-09-849-626-149	273	2.3	r		893		Sequence 149, App
10	US-09-476-300-149	273	2.3	r		894		Sequence 149, App
11	US-09-923-876-5788	273	2.3	r		895		Sequence 5788, Ap
13	US-10-283-017-149	273	2.3	r		896		Sequence 149, App
13	US-10-017-754-149	273	2.3	r		897		Sequence 149, App
15	US-10-113-82-149	273	2.3	r		898		Sequence 149, App
9	US-09-923-876-2436	274	2.3	r	c	899		Sequence 2436, Ap
11	US-09-923-876-2436	274	2.3	r		900		Sequence 2436, A
13	US-10-424-599-12262	274	2.3	r		901		Sequence 12262, A
13	US-10-424-599-45538	274	2.3	r		902		Sequence 45538, A
15	US-10-029-386-18141	274	2.3	r		903		Sequence 18141, A
11	US-09-923-876-5704	275	2.3	r	c	904		Sequence 5704, Ap
11	US-09-923-876-5704	275	2.3	r		905		Sequence 5704, A
15	US-09-864-761-20595	276	2.3	r		906		Sequence 20595, A
15	US-10-283-881-25	277	2.3	r		907		Sequence 25, Appl
15	US-09-294-093B-1718	280	2.3	r	c	908		Sequence 1718, Ap
13	US-10-029-386-14542	280	2.3	r		909		Sequence 14542, A
15	US-09-864-761-27877	282	2.3	r		910		Sequence 27877, A
13	US-10-424-599-69424	282	2.3	r		911		Sequence 69424, A
13	US-09-864-761-7448	283	2.3	r		912		Sequence 7448, Ap
13	US-10-156-761-7448	283	2.3	r		913		Sequence 7448, Ap
16	US-10-085-783A-50012	285	2.3	r	c	914		Sequence 50012, A
15	US-10-242-535A-50012	286	2.3	r		915		Sequence 50012, A
15	US-10-062-674-1373	287	2.3	r	c	916		Sequence 1373, Ap
15	US-10-029-386-18943	287	2.3	r		917		Sequence 18943, A
10	US-09-991-936-1146	288	2.3	r	c	918		Sequence 1146, Ap
15	US-10-029-386-24815	289	2.3	r		919		Sequence 24815, A
15	US-10-029-386-18827	290	2.3	r		920		Sequence 18827, A
15	US-10-062-727-667	292	2.3	r		921		Sequence 667, App
9	US-09-783-590-1008	293	2.3	r		922		Sequence 1008, Ap
10	US-09-373-658-48	293	2.3	r		923		Sequence 48, Appl
11	US-09-989-687-48	296	2.3	r		924		Sequence 48, Appl
13	US-10-424-599-106234	296	2.3	r	c	925		Sequence 106234,
13	US-10-085-783A-35169	297	2.3	r		926		Sequence 35169, A
16	US-10-242-535A-35169	297	2.3	r		927		Sequence 35169, A
9	US-09-867-701-2963	298	2.3	r		928		Sequence 2963, Ap
10	US-09-764-881-901	298	2.3	r		929		Sequence 901, App
13	US-10-424-599-16830	298	2.3	r		930		Sequence 16830, A
13	US-10-424-599-57176	298	2.3	r		931		Sequence 57176, A
13	US-09-864-761-21553	299	2.3	r		932		Sequence 21553, A
9	US-09-783-590-2234	299	2.3	r		933		Sequence 2234, Ap
9	US-09-814-122-28	300	2.3	r		934		Sequence 28, Appl
15	US-10-649-857-28	300	2.3	r		935		Sequence 16, Appl
13	US-10-085-783A-49319	300	2.3	r		936		Sequence 49319, A
13	US-10-335-977-244	300	2.3	r		937		Sequence 244, App
13	US-10-076-555-326	301	2.3	r		938		Sequence 326, App
16	US-10-242-535A-49319	301	2.3	r		939		Sequence 49319, A
13	US-09-864-761-17047	302	2.3	r		940		Sequence 17047, A
13	US-10-424-599-69390	303	2.3	r		941		Sequence 69390, A
13	US-10-335-977-2243	305	2.3	r		942		Sequence 2243, Ap
9	US-09-783-590-2234	306	2.3	r		943		Sequence 2234, Ap
15	US-09-796-692-8749	306	2.3	r		944		Sequence 8749, Ap
15	US-10-040-862-8749	306	2.3	r		945		Sequence 8749, Ap
16	US-10-057-475B-8749	306	2.3	r		946		Sequence 8749, Ap
16	US-10-154-884B-8749	307	2.3	r		947		Sequence 8749, Ap
9	US-09-864-761-22970	307	2.3	r		948		Sequence 22970, A

949	?	2.3	7	307	9	US-09-983-965-4004
950	?	2.3	7	307	13	US-10-085-783A-4822
c 951	?	2.3	7	307	16	US-10-242-535A-4822
c 952	?	2.3	7	308	16	US-10-074-024-598
953	?	2.3	7	310	13	US-10-424-599-106780
954	?	2.3	7	311	13	US-10-433-561-80
955	?	2.3	7	311	17	US-10-477-726-80
956	?	2.3	7	312	13	US-10-424-599-73072
c 957	?	2.3	7	312	13	US-10-085-783A-6135
c 958	?	2.3	7	312	16	US-10-242-535A-6135
c 959	?	2.3	7	313	9	US-09-867-701-573
960	?	2.3	7	314	9	US-09-864-761-18705
c 961	?	2.3	7	314	9	US-09-960-352-1020
962	?	2.3	7	316	13	US-10-424-599-108599
c 963	?	2.3	7	316	13	US-10-424-599-122554
964	?	2.3	7	317	13	US-09-864-761-28973
965	?	2.3	7	317	15	US-10-102-524-1313
966	?	2.3	7	318	9	US-09-253-794-18
967	?	2.3	7	318	9	US-09-974-052-20
968	?	2.3	7	318	9	US-09-974-051-20
969	?	2.3	7	318	10	US-09-974-516-20
970	?	2.3	7	318	13	US-09-974-498-20
971	?	2.3	7	319	10	US-09-814-353-3383
972	?	2.3	7	319	10	US-09-814-353-9701
c 973	?	2.3	7	319	13	US-10-085-783A-52908
c 974	?	2.3	7	319	16	US-10-242-535A-52908
975	?	2.3	7	320	13	US-10-424-599-102356
976	?	2.3	7	320	13	US-10-085-783A-6025
977	?	2.3	7	320	16	US-10-242-535A-6025
978	?	2.3	7	321	9	US-09-864-761-25530
979	?	2.3	7	321	13	US-10-085-783A-5693
c 980	?	2.3	7	321	15	US-10-106-698-1057
c 981	?	2.3	7	321	15	US-10-270-071-64
982	?	2.3	7	321	16	US-10-242-355-1168
983	?	2.3	7	321	16	US-10-242-535A-5693
984	?	2.3	7	322	10	US-09-764-891-8665
985	?	2.3	7	322	13	US-10-424-599-123203
986	?	2.3	7	322	13	US-10-027-632-272410
987	?	2.3	7	322	15	US-10-102-524-1247
988	?	2.3	7	322	16	US-10-027-632-272410
989	?	2.3	7	325	13	US-10-424-599-33808
990	?	2.3	7	325	13	US-10-085-783A-11898
991	?	2.3	7	325	16	US-10-242-535A-11898
992	?	2.3	7	326	13	US-10-424-599-44696
993	?	2.3	7	328	13	US-10-424-599-123057
994	?	2.3	7	328	13	US-10-085-783A-8205
995	?	2.3	7	328	16	US-10-242-535A-8205
c 996	?	2.3	7	329	13	US-10-085-783A-11808
c 997	?	2.3	7	329	16	US-10-242-535A-11808
998	?	2.3	7	330	9	US-09-974-052-21
999	?	2.3	7	330	9	US-09-974-051-21
1000	?	2.3	7	330	10	US-09-974-516-21

; Sequence 4004, Ap   PRIOR FILING DATE: 1997-09-05
; Sequence 4822, Ap   PRIOR APPLICATION NUMBER: 60/057,669
; Sequence 4822, Ap   PRIOR FILING DATE: 1997-09-05
; Sequence 598, App   PRIOR APPLICATION NUMBER: 60/058,667
; Sequence 106780,   PRIOR FILING DATE: 1997-09-12
; Sequence 80, Appl   PRIOR APPLICATION NUMBER: 60/058,974
; Sequence 80, Appl   PRIOR FILING DATE: 1997-09-12
; Sequence 73072, A   PRIOR APPLICATION NUMBER: 60/058,973
; Sequence 6135, Ap   PRIOR FILING DATE: 1997-09-12
; Sequence 6135, Ap   PRIOR APPLICATION NUMBER: 60/058,666
; Sequence 573, App   PRIOR FILING DATE: 1997-09-12
; Sequence 18705, A   PRIOR APPLICATION NUMBER: 60/090,112
; Sequence 1020, Ap   PRIOR FILING DATE: 1998-06-22
; Sequence 108599,   NUMBER OF SEQ ID NOS: 206
; Sequence 122554,   SOFTWARE: PatentIn Ver. 2.0
; Sequence 28973, A   SEQ ID NO 31
; Sequence 1313, Ap   LENGTH: 1346
; Sequence 18, Appl   TYPE: DNA
; Sequence 20, Appl   ORGANISM: Homo sapiens
; Sequence 20, Appl   FEATURE:
; Sequence 20, Appl   NAME/KEY: SITE
; Sequence 20, Appl   LOCATION: (637)
; Sequence 3383, Ap   OTHER INFORMATION: n equals a,t,g, or c
; Sequence 9701, Ap   FEATURE:
; Sequence 52908, A   NAME/KEY: SITE
; Sequence 52908, A   LOCATION: (850)
; Sequence 102356,   OTHER INFORMATION: n equals a,t,g, or c
; Sequence 6025, Ap   US-10-411-224-31
; Sequence 6025, Ap
; Sequence 25530, A   Alignment Scores:
; Sequence 5693, Ap   Pred. No.:   1.38e-277
; Sequence 1057, Ap   Score: 300.00   Length: 1346
; Sequence 64, Appl   Percent Similarity: 100.00%   Matches: 303
; Sequence 1168, Ap   Best Local Similarity: 100.00%   Conservative: 0
; Sequence 5693, Ap   Query Match: 99.01%   Mismatches: 0
; Sequence 8665, Ap   DB: 15   Indels: 0
; Sequence 123203,   Gaps: 0
; Sequence 272410,
; Sequence 1247, Ap   US-10-047-021-86 (1-303) x US-10-411-224-31 (1-1346)
; Sequence 272410,
; Sequence 33808, A   Qy   1 MetGlySerGlyAspSerLeuLeuGlyArgGlySerLeuProLeuLeuLeu 20
; Sequence 11898, A |||||||||||||||||||||||||||||||||||||||||||||||||||
; Sequence 11898, A   Db   31 ATGGGCTCTGGAGGAGACAGCCTTCTGGGGCGCAGGGTTCCTGCCTCTGCTGCTCCTG 90
; Sequence 44696, A
; Sequence 123057,   Qy   21 LeuIleMetGlyGlyMetAlaGlnHisAspSerProProGlnIleLeuValHisProGlnAsp 40
; Sequence 8205, Ap |||||||||||||||||||||||||||||||||||||||||||||||||||
; Sequence 8205, Ap   Db   91 CTCATCATGGGAGGCATGGCTCAGGACTCCCCGCCCCAGATCTTAGTCCACCCCCAGGAC 150
; Sequence 11808, A
; Sequence 11808, A   Qy   41 GlnLeuPheGlnGlyProAlaArgMetSerCysArgAlaSerGlyGlnProPro 60
; Sequence 21, Appl |||||||||||||||||||||||||||||||||||||||||||||||||||
; Sequence 21, Appl   Db 151 CAGCTGTTCCAGGGCCCTGCCAGGATGAGTGCCAGCCTCAGGCCAGCCACCT 210
; Sequence 21, Appl
                        Qy   61 ProThrIleArgTrpLeuLeuAsnGlyGlnProLeuSerMetValProProAspProHis 80
                               |||||||||||||||||||||||||||||||||||||||||||||||||||
                        Db 211 CCCACCATCCGCTGGTTGCTAATGGGCCAGCCCCTGAGCATGTGCCCCCAGACCCCACAC 270

                        Qy   81 HisLeuLeuProAspGlyThrLeuLeuLeuGlnProProAlaArgGlyHisAlaHis 100
                               |||||||||||||||||||||||||||||||||||||||||||||||||||
                        Db 271 CACCTCCTGCCTGATGGGACCCTTCTGCTGCTACAGCCCCCTGCCCGGGGACCATGGCCAC 330

                        Qy 101 AspGlyGlnAlaLeuSerThrAspLeuGlyValTyrThrCysGluAlaSerAsnArgLeu 120
                               |||||||||||||||||||||||||||||||||||||||||||||||||||
                        Db 331 GATGGCCAGGGCCCTGTCCACAGACCTGGGTGTCTACACATGTGAGGCCAGCAACCGGCTT 390

                        Qy 121 GlyThrAlaValSerArgGlyAlaArgLeuSerValAlaValAlaValAlaGluArgGluAspPheGln 140
                               |||||||||||||||||||||||||||||||||||||||||||||||||||
                        Db 391 GGCACGGCAGTCAGCAGAGGCGCTCGGCTGTCTGTGGCTGTCCTTCCGGGAGGATTTCCAG 450

                        Qy 141 IleGlnProArgAspMetValAlaValAlaGlyGluGlnProPheThrLeuGluCysGlyPro 160
                               |||||||||||||||||||||||||||||||||||||||||||||||||||
                        Db 451 ATCCAGCCTCGGGACATGGTGGCTGTGGCTGGTGAGCAGTTTACTCTGGAATGTGGGCCG 510

                        Qy 161 ProTrpGlyHisProGluProThrValSerTrpTrpLysAspGlyLysProLeuAlaLeu 180
                               |||||||||||||||||||||||||||||||||||||||||||||||||||

                        ALIGNMENTS

RESULT 1
US-10-411-224-31
; Sequence 31, Application US/10411224
; Publication No. US20030166906A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 50 Human Secreted Proteins
; FILE REFERENCE: PZ016P1
; CURRENT APPLICATION NUMBER: US/10/411,224
; CURRENT FILING DATE: 2003-04-11
; PRIOR APPLICATION NUMBER: US/09/722,329
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 09/262,109
; PRIOR FILING DATE: 1999-03-04
; PRIOR APPLICATION NUMBER: 60/057,626
; PRIOR FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: 60/057,663

```
Db   511 CCCTGGGCCACCCAGAGCGCCCAGTGTCATGGTGGAAAGATGGGAAACCCCTGGCCCTC 570

Qy   181 GlnProGlyArgHisThrValSerGlyLyGlySerLeuLeuMetAlaAlaArgAlaGluLysSer 200
Db   571 CAGCCCCGGAAGGCACACAGTGTCCGGGGGGTCCCTGCTGATGGCAAGAGCAGAGAAGAGT 630

Qy   201 AspGlu***ThrTyrMetCysValAlaThrAsnSerAlaGlyHisArgGluSerArgAla 220
Db   631 GACGAANGGACCTACATGTGTGGCCACCACAGCCGGAGGACACAGGAGAGCCGCGCA 690

Qy   221 AlaArgValSerIleGlnGluProGlnAspTyrThrGluProValGluLeuAlaVal 240
Db   691 GCCCGGGTTTCCATCCAGGAGACTACACCGGAGCTTCTGGCTGTG 750

Qy   241 ArgIleGlnLeuGluAsnValThrLeuLeuAsnProAspProAlaGluGlyProLysPro 260
Db   751 CGAATTCAGCTGGAAAATGACACTSCTGAACCCGGATCCTGCAGARGGCCCCAAGCCT 810

Qy   261 ArgProAlaValTrpLeu***TrpLysValSerGlyPro***ArgLeuProAsnLeuThr 280
Db   811 AGACCGGCGGTGCGCTCARCTGGAARGTCAGTGGCCCTNTGCGCCCTGCCCCAATCTTACA 870

Qy   281 ArgProCysSerGlyProArgLeuProArgGluAlaArgGluLeuArgGlyGlnArgArg 300
Db   871 CGGCCCTTGTTCAGGACCCCAGACTGCCCCGGGGAGCCCCAGGAGCCGCAGGAGGAGAGG 930

Qy   301 AsnThrGly 303
Db   931 AACACAGGA 939
```

RESULT 2
US-10-047-021-31
; Sequence 31, Application US/10047021
; Publication No. US20040002591A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 50 Human Secreted Proteins
; FILE REFERENCE: PZ016P2
; CURRENT APPLICATION NUMBER: US/10/047,021
; CURRENT FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: US 60/262,066
; PRIOR FILING DATE: 2001-01-18
; PRIOR APPLICATION NUMBER: US 09/722,329
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: US 09/262,109
; PRIOR FILING DATE: 1999-03-04
; PRIOR APPLICATION NUMBER: PCT/US98/18360
; PRIOR FILING DATE: 1998-09-03
; PRIOR APPLICATION NUMBER: US 60/057,626
; PRIOR FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: US 60/057,663
; PRIOR FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: US 60/057,669
; PRIOR FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: US 60/058,667
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: US 60/058,974
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: US 60/058,973
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: US 60/058,666
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: US 60/090,112
; PRIOR FILING DATE: 1998-06-22
; NUMBER OF SEQ ID NOS: 206
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 31
; LENGTH: 1346
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (637)..(637)

; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc_feature
; LOCATION: (850)..(850)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-047-021-31

Alignment Scores:
Pred. No.:   1346
Score: 1.38e-277   Length: 303
Percent Similarity: 300.00   Matches: 0
Best Local Similarity: 100.00%   Conservative: 0
Query Match: 99.01%   Mismatches: 0
DB: 16   Indels: 0
                               Gaps: 0

US-10-047-021-86 (1-303) x US-10-047-021-31 (1-1346)

```
Qy     1 MetGlySerGlyLeuGlyLeuGlyLyGlyArgGlySerLeuProLeuLeuLeuLeu 20
Db     1 ATGGGGCTCTGGAGGAGACAGAGCCTCCTGGGGGGCGGGGGTTCCTGCTCCTGCTCCTG 90

Qy    21 LeuIleMetGlyGlyMetAlaGlnAspSerProProGlnIleLeuValHisProGlnAsp 40
Db    91 CTCATCATGGAGGGCATGGCTCAGGACTCCCGCCCCAGATCTTAGTCACCCCCAGGAC 150

Qy    41 GlnLeuPheGlnGlyProGlyProAlaArgMetSerCysArgAlaSerGlyGlnProPro 60
Db   151 CAGCTGTTCCAGGGCCCTGGCCCTGCCAGGATGAGCTGCCGAGCCTCAGGCCAGCCACCT 210

Qy    61 ProThrIleArgTrpIleLeuAsnGlyGlnProLeuSerMetValProProAspProHis 80
Db   211 CCCACCATCCGCTGGTTGCTGTTGAATGGCAGCCCCTGAGCATGGTGCCCCAGACCCACAC 270

Qy    81 HisLeuLeuProAspGlyThrLeuLeuLeuLeuGlnProProAlaArgGlyHisAlaHis 100
Db   271 CACCTCCTGCCTGATGGAGCCCTTCTGCTGTCACAGCCCCGGGGACATGCCCAC 330

Qy   101 AspGlyGlnAlaLeuSerThrAspGlyValTyrThrCysGluAlaSerAsnArgLeu 120
Db   331 GATGGGCCAGGCCCTGTCCACAGACCTGGGTGTCTACACATGGAGGCCAGCAACCGCTT 390

Qy   121 GlyThrAlaValSerArgGlyAlaArgLeuSerValAlaAlaValLeuArgGluAspPheGln 140
Db   391 GGCACCGGCAGTCAGCAGAGGCGCTCGTCGTGGCTGGTCCTCCGGGAGGATTTCCAG 450

Qy   141 IleGlnProArgAspMetValAlaValAlaGlyGluGlnPheThrLeuGluCysGlyPro 160
Db   451 ATCCAGCCTCGGACATGGTGGCTGTGGTGGGTGAGCAGTTTACTCTGGAGTGTGGGCCG 510

Qy   161 ProTrpGlyHisProGluProThrValSerTrpTrpLysAspGlyLysProLeuAlaLeu 180
Db   511 CCCTGGGGCCACCCAGAGCCCACAGTTCATGGTGGAAAGATGGGAAACCCCTGGCCCTC 570

Qy   181 GlnProGlyArgHisThrValSerGlyLyGlySerLeuLeuMetAlaAlaArgAlaGluLysSer 200
Db   571 CAGCCCCGGAAGGCACACAGTGTTCCGGGGGGTCCCTGCTGATGGCAAGAGCAGAGAAGAGT 630

Qy   201 AspGlu***ThrTyrMetCysValAlaThrAsnSerAlaGlyHisArgGluSerArgAla 220
Db   631 GACGAANGGACCTACATGTGTGGCCACCACAGCCGGAGGACACAGGAGAGCCGCGCA 690

Qy   221 AlaArgValSerIleGlnGluProGlnAspTyrThrGluProValGluLeuAlaVal 240
Db   691 GCCCGGGTTTCCATCCAGGAGACTACACCGGAGCTTCTGGCTGTG 750

Qy   241 ArgIleGlnLeuGluAsnValThrLeuLeuAsnProAspProAlaGluGlyProLysPro 260
Db   751 CGAATTCAGCTGGAAAATGTGACACTSCTGAACCCGGATCCTGCAGAGGCCCCAAGCCT 810

Qy   261 ArgProAlaValTrpLeu***ArgLeuProAsnLeuThr 280
Db   811 AGACCGGCGGTGTGGCTCARCTGGAARGTCAGTGGCCCTNTGCGCCCAATCTTACA 870

Qy   281 ArgProCysSerGlyProArgLeuProArgGluAlaArgGluLeuArgGlyGlnArgArg 300
```

Left column

```
Db  871  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
         CGGCCTTGTTCAGGACCCAGACCCAGACTGCCCGGGAGGGCCAGGAGCTCCGTGGGCAGGAGGAGG  930

Qy  301  AsnThrGly  303
         ||||||||
Db  931  AACACAGGA  939
```

RESULT 3
US-10-416-090-49
; Sequence 49, Application US/10416090
; Publication No. US20040071711A1
; GENERAL INFORMATION:
; APPLICANT: Bicknell , Roy
; APPLICANT: Huminiecki, Lukasz
; TITLE OF INVENTION: IMAGING, DIAGNOSIS AND TREATMENT OF
; TITLE OF INVENTION: DISEASE
; FILE REFERENCE: 12795-015US1
; CURRENT APPLICATION NUMBER: US/10/416,090
; CURRENT FILING DATE: 2003-10-15
; PRIOR APPLICATION NUMBER: PCT/US01/04906
; PRIOR FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: US 60/245,566
; PRIOR FILING DATE: 2000-11-06
; PRIOR APPLICATION NUMBER: US 60/273,662
; PRIOR FILING DATE: 2001-03-07
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 49
; LENGTH: 3651
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-416-090-49

Alignment Scores:
Pred. No.:
Score: 1.35e-131
                          148.00   Length: 3651
Percent Similarity: 98.51%   Matches: 264
Best Local Similarity: 98.51%   Conservative: 0
Query Match: 48.84%   Mismatches: 2
DB: 12   Indels: 4
                                                Gaps: 0

US-10-047-021-86 (1-303) x US-10-416-090-49 (1-3651)

```
Qy   1  MetGlySerGlyGlyGlyAspSerLeuLeuGlyLyArgGlySerLeuProLeuLeuLeuLeu  20
Db  37  ATGGGCTCTGGAGGAGGACAGCCTCCTGGGGGGCAGGGGTTCCCTGCCTTCTGCTGCTCCTG  96

Qy  21  LeuIleMetGlyGlyMetAlaGlnSerProProGlnIleLeuValHisProGlnAsp  40
Db  97  CTCATCATGGGAGGCATGGCTCAGGACTCCCCGCCCCAGATCCTCGTACACCCCCAGAC  156

Qy  41  GlnLeuPheGlnGlyProGlyProAlaArgMetSerCysArg-AlaSerGlyGlnProPr  60
Db 157  CAGCTGTTCCAGGGCCCTGGCCCTGCCAGGATGAGCTGCCA-AGCCTCAGGGCAGCCACC  215

Qy  60  oProThrIleArgThrLeuLeuAsnGlyGlnLeuProLeuSerMetValProProAspProHi  80
Db 216  TCCCACCATCCGGTGGTTGCTAAATGGCCAGCCCTGAGCATGGTGCCCCCAGACCCACA  275

Qy  80  sHisLeuProAspGlyThrLeuLeuLeuLeuGlnLeuProProAlaArgGlyHisAlaHi  100
Db 276  CCACCTCCTCGCCTGATGGGAACCCTTCTGCTCACAGCCCCGGGGGACATGCCCA  335

Qy 100  sAspGlyGlnAlaLeuSerThrAspLeuGlyValTyrThrCysGluAlaSerAsnArgLe  120
Db 336  CGATGGGCAGGCCCTGTCCACAGACCTGGGTGTCTACACATGTGAGGCCAGCAACCGGCT  395

Qy 120  uGlyThrAlaValSerArgGlyAlaArgLeuSerValAlaValAlaValGlyAspPheGl  140
Db 396  TGGCACGGCAGTCAGCAGAGGCGCCTCGCGTCTCGTGTGGCTGTGGCTGTGGCGGGATTTCCA  455

Qy 140  nIleGlnProArgAspMetGlyAlaValAlaValGluValGlyGlnPheThrLeuGluCysGlyPr  160
Db      |||||||||||||||||||||||||||||||||
```

Right column

```
Db  456  |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
         GATCCAGCTCCGGACATGGTCGTCTGGTGGTGGTGGTCAGAGTTTACTCTGGAATGTGGCC  515

Qy  160  oProTrpGlyHisProGluProThrValSerTrpTrpLysAspGlyLysProLeuAlaLe  180
Db  516  GCCCTGGGCGCCACCCAGAGCCCAGTCTCATGTGTGAAAGATGGGAAACCCCTGGCCCT  575

Qy  180  uGlnProGlyArgHisThrValSerGlyGlySerLeuLeuMetAlaArgAlaGluLysSe  200
Db  576  CCAGCCCGGAAGGCACACAGTGTCCGGGGGTCCCTGCTGATGGCAAGAGCAGAGAAGAG  635

Qy  200  rAspGlu***-ThrTyrMetCysValAlaThrAsnSerAlaGlyHisArgGluSerArgA  220
Db  636  TGACGAAGG-GACCTACCATGTGTGTGCCACCAACAGCGCAGGACATAGGAGGAGCCGCG  694

Qy  220  laAlaArgValSerIleGlnGluProGlnAspTyrThrGluProValGluLeuLeuAlaV  240
Db  695  CAGCCCGGGTTTCCATCCAGGAGCCCCAGGACTACACGGAGCCTGTGGAGCTTCTGGCTG  754

Qy  240  alArgIleGlnLeuGluAsnValThrLeuLeuAsnProAspProAlaGluGlyProLysP  260
Db  755  TGCGAATTCAGCTGGAAAATGTGACACTGCTGAACCCCGGATCCTGCAGAGGGCCCCAAGC  814

Qy  260  roArgProAlaValTrpLeu  266
Db  815  CTAGACCGGCCGTGTGCTC  834
```

RESULT 4
US-10-416-090-36
; Sequence 36, Application US/10416090
; Publication No. US20040071711A1
; GENERAL INFORMATION:
; APPLICANT: Bicknell , Roy
; APPLICANT: Huminiecki, Lukasz
; TITLE OF INVENTION: IMAGING, DIAGNOSIS AND TREATMENT OF
; TITLE OF INVENTION: DISEASE
; FILE REFERENCE: 12795-015US1
; CURRENT APPLICATION NUMBER: US/10/416,090
; CURRENT FILING DATE: 2003-10-15
; PRIOR APPLICATION NUMBER: PCT/US01/04906
; PRIOR FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: US 60/245,566
; PRIOR FILING DATE: 2000-11-06
; PRIOR APPLICATION NUMBER: US 60/273,662
; PRIOR FILING DATE: 2001-03-07
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 36
; LENGTH: 3715
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (70)...(3381)
US-10-416-090-36

Alignment Scores:
Pred. No.:
Score: 1.37e-131
                          148.00   Length: 3715
Percent Similarity: 98.51%   Matches: 264
Best Local Similarity: 98.51%   Conservative: 0
Query Match: 48.84%   Mismatches: 2
DB: 12   Indels: 4
                                                Gaps: 0

US-10-047-021-86 (1-303) x US-10-416-090-36 (1-3715)

```
Qy   1  MetGlySerGlyGlyGlyAspSerLeuLeuGlyLyArgGlySerLeuProLeuLeuLeu  20
Db  70  ATGGGCTCTGGAGGAGGCCATGGGCTCAGGACTCCCAGACTCCCCGCCGCCTGCTGCTCCTG  129

Qy  21  LeuIleMetGlyGlyMetAlaGlnSerProProGlnIleLeuValHisProGlnAsp  40
Db 130  CTCATCATGGGAGGCATGGCTCAGGACTCCCCGCCCCAGATCCTCGTACACCCCCAGAC  189
```

Qy   41 GlnLeuPheGlnGlyProGlyProAlaArgMetSerCysArg-AlaSerGlyGlnProPr   60
                |||||||||||||||||||||||||||||||||||||| |||||||||||||||||
Db   190 CAGCTGTTCCAGGGCCCTGGGCCCTGCCAGGATGAGCTGCCA-AGCCTCAGGCCAGCCACC 248

Qy   60 oProThrIleArgTrpLeuLeuAsnGlyGlnProLeuSerMetValProProAspProHi   80
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   249 TCCCACCATCCGCTGGTTGCTGAATGGGCAGCCCCTGAGCATGGTGCCCCCAGACCCACA 308

Qy   80 sHisLeuProAspGlyThrLeuLeuLeuGlnProProAlaArgGlyHisAlaHi 100
                |||||||||||||||||||||||||||||||||||||||||||||||||
Db   309 CCACCTCCTGCCTGATGGGACCCTTCTGCTGCTACAGCCCCTGCCCGGGGACATGCCCCA 368

Qy   100 sAspGlyGlnAlaLeuSerThrAspLeuGlyValTyrThrCysGluAlaSerAsnArgLe 120
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   369 CGATGGCCAGGCCCTGTCCACAGACCTGGGTGTCTACACATGTGAGGCCAGCAACCGGCT 428

Qy   120 uGlyThrAlaValSerArgValAlaArgLeuSerValAlaValLeuArgGluAspPheGl 140
                |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   429 TGGCACGGCAGTCAGCAGAGGCGGCTCGGCTGTCTCGTGTGGCTGTCCTCCGGGGGATTTCCA 488

Qy   140 nIleGlnProArgAspMetValAlaValValGlyGluGlnPheThrLeuGluCysGlyYPr 160
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   489 GATCCAGCCTCGGGACATGGTGGCTGTGGTGGGTGAGCAGTTTACTCTGGAATGTGGGCC 548

Qy   160 oProTrpGlyHisProGluProThrValSerTrpValLysTrpTrpLysProLeuAlaLe 180
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   549 GCCCTGGGGCCCACCCAGAGCCCACAGTCTCATGGTGGAAAGATGGGAAACCCCTGCCCT 608

Qy   180 uGlnProGlyArgHisThrValSerGlyGlySerLeuLeuMetAlaArgAlaGlyLysSe 200
                |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   609 CCAGCCCCGGAAGGCACACAGTGTCCGGGGGTCCCTGCTGATGGCAAGAGCAGAGAAGAG 668

Qy   200 rAspGlu****-ThrTyrMetCysValAlaThrAsnSerAlaGlyHisArgGluSerArgA 220
                |||||||| ||||||||||||||||||||||||||||||||||||||||||||
Db   669 TGACGAAGG-GACCTACATGTGTGTGGCCACCAACAGCGCAGGACATAGGGAGGAGCCGCG 727

Qy   220 laAlaArgValSerIleGlnGluProGlnAspTyrThrGluProValGluLeuLeuAlaV 240
                ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   728 CAGCCCCGGGTTTCCATCCAGGAGCCCCAGGACTACACGGAGCCTGTGGAGCTTCTGGCTG 787

Qy   240 aIArgIleGlnLeuGluAsnValThrLeuLeuAsnProAspProAlaGluGluProLysP 260
                |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   788 TGCGAATTCAGCTGGAAAATGTGACACTGCTGAACCCGGATCCTGCAGAGGGCCCCAAGC 847

Qy   260 rcArgProAlaValTrpLeu 266
                ||||||||||||||||||||
Db   848 CTAGACCCGCGCGTGTGGCTC 867

RESULT 5
US-09-978-295A-210
; Sequence 210, Application US/0997B295A
; Patent No. US2002015600GA1
GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;

; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tunas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P263CP1C11
; CURRENT APPLICATION NUMBER: US/09/978,295A
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/078004
; PRIOR FILING DATE: 1998-03-13
; PRIOR APPLICATION NUMBER: 60/078886
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078936
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078939
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079664
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079689
; PRIOR FILING DATE: 1999-03-27
; PRIOR APPLICATION NUMBER: 60/079663
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079786
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079920
; PRIOR FILING DATE: 1998-03-30
; PRIOR APPLICATION NUMBER: 60/079923
; PRIOR FILING DATE: 1998-03-30
; PRIOR APPLICATION NUMBER: 60/080105
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080107
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080165
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080194
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080327
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080328
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080333

```
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080334
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/081070
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081049
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081071
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081195
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081955
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081952
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081819
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081838
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082568
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082569
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082704
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082804
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082700
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082797
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082796
PRIOR FILING DATE: 1998-04-23
PRIOR APPLICATION NUMBER: 60/083336
PRIOR FILING DATE: 1998-04-27
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083392
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083495
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083496
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083499
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083554
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083558
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083559
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083742
PRIOR FILING DATE: 1998-04-30
PRIOR APPLICATION NUMBER: 60/084366
PRIOR FILING DATE: 1998-05-05
PRIOR APPLICATION NUMBER: 60/084414
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084441
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084639
PRIOR FILING DATE: 1998-05-07
```

```
PRIOR APPLICATION NUMBER: 60/084640
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084598
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084643
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085323
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085582
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085700
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085689
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085580
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697
```

```
Alignment Scores:
Pred. No.:                  1.37e-131      Length:        3716
Score:                         148.00      Matches:        261
Percent Similarity:            98.49%      Conservative:     0
Best Local Similarity:         98.49%      Mismatches:       2
Query Match:                   48.84%      Indels:           4
DB:                                 9      Gaps:             0

US-10-047-021-86 (1-303) x US-09-978-295A-210 (1-3716)

Qy    4 GlyGlyAspSerLeuLeuGlyGlyArgGlySerLeuProLeuLeuLeuIleMet  23
        |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1 GGAGGAGACAGCCTCCTGGGGGGCAGGGGTTCCCTGCCTCTCCTGCTCATCATG  60

Qy   24 GlyGlyMetAlaGlnAspSerProProGlnIleLeuValHisProGlnLeuPhe  43
        |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   61 GGAGGCATGGCTCAGGACTCCCCGCCCAGATCCTAGTCCACCCCAGACCAGCTGTTC 120

Qy   44 GlnGlyProGlyProAlaArgMetSerCysArg-AlaSerGlyGlnProProThrIl  63
        ||||||||||||||||||||||||||||||||| ||||||||||||||||||||||||
Db  121 CAGGGGCCTGGCCCTGCCCAGAGATGAGCTGCCA-AGCCTCAGGCCAGCCACCTCCACCAT 179

Qy   63 eArgTrpLeuLeuAsnGlyGlnProLeuSerMetValProProAspProHisLeuLe  83
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  180 CCGCTGGTTGCTGAATGGGCAGCCCCTGAGCATGGTGCCCCCAGAGCCACACCACCTCCT 239

Qy   83 uProAspGlyThrLeuLeuLeuGlnProProAlaArgGlyHisAlaHisAspGlyGl 103
        |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  240 GCCTGATGGGACCCTTCTGCTACAGCCCCCTGCCCGCGGGACATGCCCACGATGGCCA 299

Qy  103 nAlaLeuSerThrAspLeuGlyValTyrThrCysGluAlaSerAsnArgLeuGlyThrAl 123
        |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  300 GGCCCTGTCCACAGACCTGGGTGTCTACACATGTGAGGCCAGCAACCGGCTTGGCACGGC 359

Qy  123 aValSerArgGlyAlaArgLeuSerValAlaValLeuArgGluAspPheGlnIleGlnPr 143
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  360 AGTCAGCAGAGGCGGCTCGGCTGTCGTGGCTGTCCTCCGGGAGATTCCAGATCCAGCC 419

Qy  143 oArgAspMetValAlaValGlyGluGlnPheThrLeuGluCysGlyProProTrpGl 163
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  420 TCGGGACATGGTGGCTGTGGGTGGGTGAGCAGTTTACTCTGGAATGTGGGCCGCCCCTGGGG 479
```

```
Qy  163  yHisProGluProThrValSerTrpTrpLysAspGlyLysProLeuAlaLeuGlnProGl  183
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  480  CCACCCAGAGCCACCAGTCTCATGGTGGAAAGATGGGAAACCCCTGGCCCTCCAGCCCGG  539

Qy  183  yArgHisThrValSerGlyGlySerLeuLeuMetAlaArgAlaGluLysSerAspGlu**  203
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  540  AAGGCACACAGTGTCCGGGGGGTCCCTGCTGATGGCAAGAGCAGAGAGTGACGAAGG     599

Qy  203  *-ThrTyrMetCysValAlaThrAsnSerAlaGlyHisArgGluSerArgAlaAlaArgV  223
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  600  -GACCTACATGTGTGTGGCCACCAACAGCCCAGGACATAGGGAGAGCCGCGCAGCCCGG  658

Qy  223  alSerIleGlnGluProGlnAspThrGluLeuLeuAlaValArg-leG  243
            ||||||||||||||||||||||||||||||||||||||||||||
Db  659  TTTCATCCAGGAGCCCCAGGACTACACCGGAGCCTTCTGGCTGCGAATTC  718

Qy  243  lnLeuGluAsnValThrLeuLeuAsnProAspProAlaGluGlyProLysProArgProA  263
            ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  719  AGCTGGAAAATGTGACACTGCTGAACCCCGATCCCGCAGAGGGCCCCAAGCCTAGACCGG  778

Qy  263  laValTrpLeu 266
            |||||||||
Db  779  CGGTGTGGCTC 789
```

RESULT 6
US-09-978-697-210
; Sequence 210, Application US/09978697
; Patent No. US2002016928A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C27
; CURRENT APPLICATION NUMBER: US/09/978,697
; CURRENT FILING DATE: 2001-10-16
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450

; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/078004
; PRIOR FILING DATE: 1998-03-13
; PRIOR APPLICATION NUMBER: 60/078886
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078936
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078939
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079664
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079689
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079663
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079786
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079920
; PRIOR FILING DATE: 1998-03-30
; PRIOR APPLICATION NUMBER: 60/079923
; PRIOR FILING DATE: 1998-03-30
; PRIOR APPLICATION NUMBER: 60/080105
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080107
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080165
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080194
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080327
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080328
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080333
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080334
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/081070
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081049
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081071
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081195
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081203
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081229
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081955
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081817
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081819
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081952
; PRIOR FILING DATE: 1998-04-15
```

```
;     PRIOR APPLICATION NUMBER: 60/081838
;     PRIOR FILING DATE: 1998-04-15
;     PRIOR APPLICATION NUMBER: 60/082568
;     PRIOR FILING DATE: 1998-04-21
;     PRIOR APPLICATION NUMBER: 60/082569
;     PRIOR FILING DATE: 1998-04-21
;     PRIOR APPLICATION NUMBER: 60/082704
;     PRIOR FILING DATE: 1998-04-22
;     PRIOR APPLICATION NUMBER: 60/082804
;     PRIOR FILING DATE: 1998-04-22
;     PRIOR APPLICATION NUMBER: 60/082700
;     PRIOR FILING DATE: 1998-04-22
;     PRIOR APPLICATION NUMBER: 60/082797
;     PRIOR FILING DATE: 1998-04-22
;     PRIOR APPLICATION NUMBER: 60/082796
;     PRIOR FILING DATE: 1998-04-23
;     PRIOR APPLICATION NUMBER: 60/083336
;     PRIOR FILING DATE: 1998-04-27
;     PRIOR APPLICATION NUMBER: 60/083322
;     PRIOR FILING DATE: 1998-04-28
;     PRIOR APPLICATION NUMBER: 60/083392
;     PRIOR FILING DATE: 1998-04-29
;     PRIOR APPLICATION NUMBER: 60/083495
;     PRIOR FILING DATE: 1998-04-29
;     PRIOR APPLICATION NUMBER: 60/083496
;     PRIOR FILING DATE: 1998-04-29
;     PRIOR APPLICATION NUMBER: 60/083499
;     PRIOR FILING DATE: 1998-04-29
;     PRIOR APPLICATION NUMBER: 60/083545
;     PRIOR FILING DATE: 1998-04-29
;     PRIOR APPLICATION NUMBER: 60/083554
;     PRIOR FILING DATE: 1998-04-29
;     PRIOR APPLICATION NUMBER: 60/083558
;     PRIOR FILING DATE: 1998-04-29
;     PRIOR APPLICATION NUMBER: 60/083559
;     PRIOR FILING DATE: 1998-04-29
;     PRIOR APPLICATION NUMBER: 60/083500
;     PRIOR FILING DATE: 1998-04-29
;     PRIOR APPLICATION NUMBER: 60/083742
;     PRIOR FILING DATE: 1998-04-30
;     PRIOR APPLICATION NUMBER: 60/084366
;     PRIOR FILING DATE: 1998-05-05
;     PRIOR APPLICATION NUMBER: 60/084414
;     PRIOR FILING DATE: 1998-05-06
;     PRIOR APPLICATION NUMBER: 60/084441
;     PRIOR FILING DATE: 1998-05-06
;     PRIOR APPLICATION NUMBER: 60/084637
;     PRIOR FILING DATE: 1998-05-07
;     PRIOR APPLICATION NUMBER: 60/084639
;     PRIOR FILING DATE: 1998-05-07
;     PRIOR APPLICATION NUMBER: 60/084640
;     PRIOR FILING DATE: 1998-05-07
;     PRIOR APPLICATION NUMBER: 60/084598
;     PRIOR FILING DATE: 1998-05-07
;     PRIOR APPLICATION NUMBER: 60/084600
;     PRIOR FILING DATE: 1998-5-07
;     PRIOR APPLICATION NUMBER: 60/084627
;     PRIOR FILING DATE: 1998-05-07
;     PRIOR APPLICATION NUMBER: 60/084643
;     PRIOR FILING DATE: 1998-05-07
;     PRIOR APPLICATION NUMBER: 60/085339
;     PRIOR FILING DATE: 1998-05-13
;     PRIOR APPLICATION NUMBER: 60/085338
;     PRIOR FILING DATE: 1998-05-13
;     PRIOR APPLICATION NUMBER: 60/085323
;     PRIOR FILING DATE: 1998-05-13
;     PRIOR APPLICATION NUMBER: 60/085582
;     PRIOR FILING DATE: 1998-05-15
;     PRIOR APPLICATION NUMBER: 60/085700
;     PRIOR FILING DATE: 1998-05-15
;     PRIOR APPLICATION NUMBER: 60/085689
;     PRIOR FILING DATE: 1998-05-15
;     PRIOR APPLICATION NUMBER: 60/085579
```

```
;     PRIOR FILING DATE: 1998-05-15
;     PRIOR APPLICATION NUMBER: 60/085580
;     PRIOR FILING DATE: 1998-05-15
;     PRIOR APPLICATION NUMBER: 60/085573
;     PRIOR FILING DATE: 1998-05-15
;     PRIOR APPLICATION NUMBER: 60/085704
;     PRIOR FILING DATE: 1998-05-15
;     PRIOR APPLICATION NUMBER: 60/085697
```

```
Alignment Scores:
Pred. No.:                              Length:          3716
Score:                    1.37e-131     Matches:          261
Percent Similarity:       148.00        Conservative:       0
Best Local Similarity:    98.49%        Mismatches:         2
Query Match:              98.49%        Indels:             4
DB:                       48.84%        Gaps:               0
                          9
```

```
US-10-047-021-86 (1-303) x US-09-978-697-210 (1-3716)

Qy    4 GlyGlyAspSerLeuLeuGlyGlyArgGlySerLeuProLeuLeuLeuLeuIleMet  23
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1 GGAGGACAGCAGCCTCCTGGGGGGCAGGGGTTCCCTGCCTCTTGCTCCTGCTCATCATG  60

Qy   24 GlyGlyMetAlaGlnAspSerProProGlnIleLeuValHisProGlnLeuPhe  43
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   61 GGAGGCAATGGCTCAGGACTCCCGCCCCAGATCCTAGTCCACCCCCAGAGACCAGCTGTTC  120

Qy   44 GlnGlyProGlyProAlaArgMetSerCysArg-AlaSerGlyGlnProProThrIl  63
         ||||||||||||||||||||||||||||||||| ||||||||||||||||||||||
Db  121 CAGGGGCCCTGGCCTGCCAGGATGAGCTGCCA-AGCCTCAGGCCAGCCACCTCCCACCAT  179

Qy   63 eArgTrpLeuLeuAsnGlyGlnProLeuSerMetValProProAspProHisHisLeuLe  83
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  180 CCGCTCGGTTGCTGAATGGCCAGCCCCTGAGCATGGTGCCCCCAGACCCACACCACCTCCT  239

Qy   83 uProAspGlyThrLeuLeuLeuGlnProProAlaArgGlyHisAlaHisAspGlyGl  103
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  240 GCCTGATGGGACCCTTCTGCTACAGCCCCTGCCCGGGACATGCCCACGATGGCCA  299

Qy  103 nAlaLeuSerThrAspLeuGlyValTyrThrCysGluAlaSerArgLeuGlyThrAl  123
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  300 GGCCCTGTCCACAGACCTGGGTGTCTCACACATGTGAGGCCAGCAACCGGCTTGGCACGGC  359

Qy  123 aValSerArgGlyAlaArgLeuSerValAlaValGlyAspPheGlnIleGlnPr  143
         ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  360 AGTCAGCAGAGGCGCTCGGCTGTCGTGGCTGTCCTCCGGGAGGATTTCCAGATCCAGCC  419

Qy  143 oArgAspMetValAlaValGlyGlnPheThrLeuGluCysGlyProProTrpGl  163
         ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  420 TCGGGACATGGTGGCTGTGGGTGGGTGAGCAGTTACTCTGGAATGTGGGCCGCCCTGGGG  479

Qy  163 yHisProGluProThrValSerTrpTrpLysProLeuAlaLeuGlnProGl  183
         ||||||||||||||||||||||||||||||||||||||||||||||||||
Db  480 CCACCCAGAGCCCACAGTCTCATGGTGGAAAGATGGGAAACCCCTGGCCTCCAGCCCCG  539

Qy  183 yArgHisThrValSerGlyValGlySerLeuLeuMetAlaArgAlaGluLysSerAspGlu**  203
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  540 AAGGCACACAGTGTCCGGGGGTCCCTGCTGATGGCAAGACGAGAGTGACGAAGG  599

Qy  203 *-ThrTyrMetCysValAlaThrAsnSerAlaGlyHisAsnSerArgGluSerArgAlaAlaArgV  223
         | |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  600 -GACCTACATGTGTGTGGCCACCAACAGCCAGGACATAGGGAGGAGCCGCAGCCCCGGG  658

Qy  223 alSerIleGlnGluProGlnAspTyrThrGluProValGluLeuLeuAlaValArgIleG  243
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  659 TTTCCATCCAGGAGCCCCAGGACTACACGGAGCCTGTGGAGCTTCTGGCTGTGCGAATTC  718

Qy  243 lnLeuGluAsnValThrLeuLeuAsnProAlaAspProLysProLysProGlyProA  263
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  719 AGCTGGAAAATGTGACACTGCTGAACCCGGATCCCGAACCCGAGAGGGGCCCAAGCCTAGACCGG  778

Qy  263 laValTrpLeu  266
         |||||||||||
```

RESULT 7
US-09-978-192A-210
; Sequence 210, Application US/09978192A
; Patent No. US2002017755A1
; GENERAL INFORMATION:
;; APPLICANT: Ashkenazi, Avi
;; APPLICANT: Baker Kevin P.
;; APPLICANT: Botstein, David
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Eaton, Dan
;; APPLICANT: Ferrara, Napoleon
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Fong, Sherman
;; APPLICANT: Gao, Wei-Qiang
;; APPLICANT: Gerber, Hanspeter
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Grimaldi, J. Christopher
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Hillan, Kenneth J
;; APPLICANT: Kljavin, Ivar J.
;; APPLICANT: Kuo, Sophia S.
;; APPLICANT: Napier, Mary A.
;; APPLICANT: Pan, James;
;; APPLICANT: Paoni, Nicholas F.
;; APPLICANT: Roy, Margaret Ann
;; APPLICANT: Shelton, David L.
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; TITLE OF INVENTION: Acids Encoding the Same
;; FILE REFERENCE: P2630P1C9
;; CURRENT APPLICATION NUMBER: US/09/978,192A
;; CURRENT FILING DATE: 2001-10-15
;; PRIOR APPLICATION NUMBER: 09/918585
;; PRIOR FILING DATE: 2001-07-30
;; PRIOR APPLICATION NUMBER: 60/062250
;; PRIOR FILING DATE: 1997-10-17
;; PRIOR APPLICATION NUMBER: 60/064249
;; PRIOR FILING DATE: 1997-11-03
;; PRIOR APPLICATION NUMBER: 60/065311
;; PRIOR FILING DATE: 1997-11-13
;; PRIOR APPLICATION NUMBER: 60/066364
;; PRIOR FILING DATE: 1997-11-21
;; PRIOR APPLICATION NUMBER: 60/077450
;; PRIOR FILING DATE: 1998-03-10
;; PRIOR APPLICATION NUMBER: 60/077632
;; PRIOR FILING DATE: 1998-03-11
;; PRIOR APPLICATION NUMBER: 60/077641
;; PRIOR FILING DATE: 1998-03-11
;; PRIOR APPLICATION NUMBER: 60/077649
;; PRIOR FILING DATE: 1998-03-11
;; PRIOR APPLICATION NUMBER: 60/077791
;; PRIOR FILING DATE: 1998-03-12
;; PRIOR APPLICATION NUMBER: 60/078004
;; PRIOR FILING DATE: 1998-03-13
;; PRIOR APPLICATION NUMBER: 60/078886
;; PRIOR FILING DATE: 1998-03-20
;; PRIOR APPLICATION NUMBER: 60/078936
;; PRIOR FILING DATE: 1999-03-20
;; PRIOR APPLICATION NUMBER: 60/078910
;; PRIOR FILING DATE: 1998-03-20
;; PRIOR APPLICATION NUMBER: 60/078939
;; PRIOR FILING DATE: 1998-03-20
;; PRIOR APPLICATION NUMBER: 60/079294
;; PRIOR FILING DATE: 1998-03-25
;; PRIOR APPLICATION NUMBER: 60/079656
;; PRIOR FILING DATE: 1998-03-26
;; PRIOR APPLICATION NUMBER: 60/079664
;; PRIOR FILING DATE: 1998-03-27
;; PRIOR APPLICATION NUMBER: 60/079689
;; PRIOR FILING DATE: 1998-03-27
;; PRIOR APPLICATION NUMBER: 60/079663
;; PRIOR FILING DATE: 1998-03-27
;; PRIOR APPLICATION NUMBER: 60/079728
;; PRIOR FILING DATE: 1998-03-27
;; PRIOR APPLICATION NUMBER: 60/079786
;; PRIOR FILING DATE: 1998-03-27
;; PRIOR APPLICATION NUMBER: 60/079920
;; PRIOR FILING DATE: 1998-03-30
;; PRIOR APPLICATION NUMBER: 60/079923
;; PRIOR FILING DATE: 1998-03-30
;; PRIOR APPLICATION NUMBER: 60/080105
;; PRIOR FILING DATE: 1998-03-31
;; PRIOR APPLICATION NUMBER: 60/080107
;; PRIOR FILING DATE: 1998-03-31
;; PRIOR APPLICATION NUMBER: 60/080165
;; PRIOR FILING DATE: 1998-03-31
;; PRIOR APPLICATION NUMBER: 60/080194
;; PRIOR FILING DATE: 1998-03-31
;; PRIOR APPLICATION NUMBER: 60/080327
;; PRIOR FILING DATE: 1998-04-01
;; PRIOR APPLICATION NUMBER: 60/080328
;; PRIOR FILING DATE: 1998-04-01
;; PRIOR APPLICATION NUMBER: 60/080334
;; PRIOR FILING DATE: 1998-04-01
;; PRIOR APPLICATION NUMBER: 60/081070
;; PRIOR FILING DATE: 1998-04-08
;; PRIOR APPLICATION NUMBER: 60/081049
;; PRIOR FILING DATE: 1998-04-08
;; PRIOR APPLICATION NUMBER: 60/081071
;; PRIOR FILING DATE: 1998-04-08
;; PRIOR APPLICATION NUMBER: 60/081195
;; PRIOR FILING DATE: 1998-04-08
;; PRIOR APPLICATION NUMBER: 60/081203
;; PRIOR FILING DATE: 1998-04-09
;; PRIOR APPLICATION NUMBER: 60/081229
;; PRIOR FILING DATE: 1998-04-09
;; PRIOR APPLICATION NUMBER: 60/081955
;; PRIOR FILING DATE: 1998-04-15
;; PRIOR APPLICATION NUMBER: 60/081817
;; PRIOR FILING DATE: 1998-04-15
;; PRIOR APPLICATION NUMBER: 60/081819
;; PRIOR FILING DATE: 1998-04-15
;; PRIOR APPLICATION NUMBER: 60/081952
;; PRIOR FILING DATE: 1998-04-15
;; PRIOR APPLICATION NUMBER: 60/081838
;; PRIOR FILING DATE: 1998-04-15
;; PRIOR APPLICATION NUMBER: 60/082568
;; PRIOR FILING DATE: 1998-04-21
;; PRIOR APPLICATION NUMBER: 60/082569
;; PRIOR FILING DATE: 1998-04-21
;; PRIOR APPLICATION NUMBER: 60/082704
;; PRIOR FILING DATE: 1998-04-22
;; PRIOR APPLICATION NUMBER: 60/082804
;; PRIOR FILING DATE: 1998-04-22
;; PRIOR APPLICATION NUMBER: 60/082700
;; PRIOR FILING DATE: 1998-04-22
;; PRIOR APPLICATION NUMBER: 60/082797
;; PRIOR FILING DATE: 1998-04-22
;; PRIOR APPLICATION NUMBER: 60/082796
;; PRIOR FILING DATE: 1998-04-23
;; PRIOR APPLICATION NUMBER: 60/083336
;; PRIOR FILING DATE: 1998-04-27
;; PRIOR APPLICATION NUMBER: 60/083322
;; PRIOR FILING DATE: 1998-04-28
;; PRIOR APPLICATION NUMBER: 60/083392
;; PRIOR FILING DATE: 1998-04-29
;; PRIOR APPLICATION NUMBER: 60/083495

```
;  , PRIOR FILING DATE: 1998-04-29
;  , PRIOR APPLICATION NUMBER: 60/083496
;  , PRIOR FILING DATE: 1998-04-29
;  , PRIOR APPLICATION NUMBER: 60/083499
;  , PRIOR FILING DATE: 1998-04-29
;  , PRIOR APPLICATION NUMBER: 60/083545
;  , PRIOR FILING DATE: 1998-04-29
;  , PRIOR APPLICATION NUMBER: 60/083554
;  , PRIOR FILING DATE: 1998-04-29
;  , PRIOR APPLICATION NUMBER: 60/083558
;  , PRIOR FILING DATE: 1998-04-29
;  , PRIOR APPLICATION NUMBER: 60/083559
;  , PRIOR FILING DATE: 1998-04-29
;  , PRIOR APPLICATION NUMBER: 60/083500
;  , PRIOR FILING DATE: 1998-04-29
;  , PRIOR APPLICATION NUMBER: 60/083742
;  , PRIOR FILING DATE: 1998-04-30
;  , PRIOR APPLICATION NUMBER: 60/084366
;  , PRIOR FILING DATE: 1998-05-05
;  , PRIOR APPLICATION NUMBER: 60/084414
;  , PRIOR FILING DATE: 1998-05-05
;  , PRIOR APPLICATION NUMBER: 60/084441
;  , PRIOR FILING DATE: 1998-05-06
;  , PRIOR APPLICATION NUMBER: 60/084637
;  , PRIOR FILING DATE: 1998-05-07
;  , PRIOR APPLICATION NUMBER: 60/084639
;  , PRIOR FILING DATE: 1998-05-07
;  , PRIOR APPLICATION NUMBER: 60/084640
;  , PRIOR FILING DATE: 1998-05-07
;  , PRIOR APPLICATION NUMBER: 60/084598
;  , PRIOR FILING DATE: 1998-05-07
;  , PRIOR APPLICATION NUMBER: 60/084600
;  , PRIOR FILING DATE: 1998-05-07
;  , PRIOR APPLICATION NUMBER: 60/084627
;  , PRIOR FILING DATE: 1998-05-07
;  , PRIOR APPLICATION NUMBER: 60/084643
;  , PRIOR FILING DATE: 1998-05-07
;  , PRIOR APPLICATION NUMBER: 60/085339
;  , PRIOR FILING DATE: 1998-05-13
;  , PRIOR APPLICATION NUMBER: 60/085338
;  , PRIOR FILING DATE: 1998-05-13
;  , PRIOR APPLICATION NUMBER: 60/085323
;  , PRIOR FILING DATE: 1998-05-13
;  , PRIOR APPLICATION NUMBER: 60/085582
;  , PRIOR FILING DATE: 1998-05-15
;  , PRIOR APPLICATION NUMBER: 60/085700
;  , PRIOR FILING DATE: 1998-05-15
;  , PRIOR APPLICATION NUMBER: 60/085689
;  , PRIOR FILING DATE: 1998-05-15
;  , PRIOR APPLICATION NUMBER: 60/085579
;  , PRIOR FILING DATE: 1998-05-15
;  , PRIOR APPLICATION NUMBER: 60/085580
;  , PRIOR FILING DATE: 1998-05-15
;  , PRIOR APPLICATION NUMBER: 60/085573
;  , PRIOR FILING DATE: 1998-05-15
;  , PRIOR APPLICATION NUMBER: 60/085704
;  , PRIOR FILING DATE: 1998-05-15
;  , PRIOR APPLICATION NUMBER: 60/085697
;  , PRIOR FILING DATE: 1998-05-15
```

Alignment Scores:
```
Pred. No.:              1.37e-131
Score:                  148.00
Percent Similarity:     98.49%
Best Local Similarity:  98.49%
Query Match:            48.84%
DB:                     9
```
```
Length:        3716
Matches:       261
Conservative:  0
Mismatches:    2
Indels:        4
Gaps:          0
```

US-10-047-021-86 (1-303) x US-09-978-192A-210 (1-3716)

```
Qy   4 GlyGlyAspSerLeuGlyGlyArgGlySerLeuProLeuLeuLeuLeuIleMet  23
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1 GGAGGAGACAGCCTTCCTGGGGGGGCAGGGGTTCCCTGCCGCTGCTGCTCATCATG  60
```

```
Qy  24 GlyGlyMetAlaGlnArgAspSerProProGlnIleLeuValHisProGlnAspGlnLeuPhe  43
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  61 GGAGGCATGGCTCAGAGACTCCCGCCCCAGATCCTAGTTCCACCCCCAGGACCAGCTGTTC  120
```

```
Qy  44 GlnGlyProGlyProAlaArgMetSerCysArg-AlaSerGlyGlnProProThrIl  63
         |||||||||||||||||||||||||||||||| |||||||||||||||||||||||
Db 121 CAGGGCCCTGGCCCTGCCAGGATGAGCTGCCA-AGCCTCAGGCCAGCCACCTCCACCAT  179
```

```
Qy  63 eArgTrpLeuLeuAsnGlyGlnProLeuSerMetValProProAspProHisHisLeuLe  83
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 180 CCGCTGGTTGCTGAATGGCAGCCCCTGAGCATGGTGCCCCCAGACCCACACCACCTCCT  239
```

```
Qy  83 uProAspGlyThrLeuLeuGlnProProAlaArgGlyHisAlaHisAspGlyG1  103
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 240 GCCTGATGGGACCCTTCTGCTCTACAGCCCCCTGCCCGGGACATGCCACGATGGCCA  299
```

```
Qy 103 nAlaLeuSerThrAspLeuGlyValTyrThrCysGluAlaSerArgLeuGlyThrA1  123
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 300 GGCCCTGCCCACAGACCTGGGTGTCTACACATGTGAGGCCAGCAACCGGCTTGGCACGGC  359
```

```
Qy 123 aValSerArgGlyAlaArgLeuSerValAlaValValGlyAspPheGlnIleGlnPr  143
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 360 AGTCAGCAGGCGCTCGGCGTGTCCTGGCTGTCCTCCGGGAGGATTTCCAGATCCAGCC  419
```

```
Qy 143 cArgAspMetValAlaValValGlyGluGlnPheThrLeuGluCysGlyProProTrpG1  163
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 420 TCGGGACATGGTGGCTGTGGTGGGTGAGCAGTTTACTCTGGAATGTGGGCCGCCCTGGGG  479
```

```
Qy 163 yHisProGluProThrValSerTrpTrpLysProLeuAlaLeuGlnProG1  183
         |||||||||||||||||||||||||||||||||||||||||||||||||
Db 480 CCACCCAGAGCCCACAGTCTCATGGTGGAAAGATGGGAAACCCCTGGCCCTCCAGCCCGG  539
```

```
Qy 183 yArgHisThrValSerGlyValGlySerLeuLeuMetAlaArgAlaGluLysSerAspGlu**  203
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 540 AAGGCACACAGTGTCCCGGGGGGTCCCTGCTGATGGCAAGAGCCAAGAGAGGAGTGACGAAGG  599
```

```
Qy 203 *-ThrTyrMetCysValAlaThrAsnSerAlaGlyHisArgGluSerArgAlaAlaArgV  223
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 600 -GACCCTACATGTGTGTGGCCACCAACAGCGCAGGCCATAGGGAGAGCCGCGGCAGCCCGGG  658
```

```
Qy 223 alSerIleGlnGluProGlnAspTyrThrGluProValGluLeuLeuAlaValArgIleG  243
         |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 659 TTTCCATCCAGGAGCCCCAGGACTACACGGAGCCTGTGGGAGCTTCTGGCTGTGCGAATTC  718
```

```
Qy 243 lnLeuGluAsnValThrLeuLeuAsnProAspProAlaGluGlyProArgProA  263
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 719 AGCTGGAAAATGTGACACTGCTGAACCCGGATCCTGCAGAGGGCCCCAAGCCTAGACCGG  778
```

```
Qy 263 laValTrpLeu  266
         |||||||||||
Db 779 CGGTGTGCGCTC  789
```

RESULT 8
US-09-999-832A-210
; Sequence 210, Application US/09999832A
; Publication No. US2002019270606A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J.Christopher
; APPLICANT: Gurney, Austin L.
```

```
APPLICANT:   Kljavin, Ivar J.
APPLICANT:   Kuo, Sophia S.
APPLICANT:   Napier, Mary A.
APPLICANT:   Pan, James;
APPLICANT:   Paoni, Nicholas F.
APPLICANT:   Roy, Margaret Ann
APPLICANT:   Shelton, David L.
APPLICANT:   Stewart, Timothy A.
APPLICANT:   Tumas, Daniel
APPLICANT:   Williams, P. Mickey
APPLICANT:   Wood, William I.
TITLE OF INVENTION:  Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION:  Acids Encoding the Same
FILE REFERENCE: P2630P1C63
CURRENT APPLICATION NUMBER: US/09/999,832A
CURRENT FILING DATE:   2001-10-24
PRIOR APPLICATION NUMBER: 09/918585        PRIOR FILING DATE: 1998-04-01        PRIOR APPLICATION NUMBER: 60/080328
PRIOR FILING DATE: 2001-07-30              PRIOR APPLICATION NUMBER: 60/080333        PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/062250        PRIOR APPLICATION NUMBER: 60/080333        PRIOR FILING DATE: 1998-04-01
PRIOR FILING DATE: 1997-10-17              PRIOR FILING DATE: 1998-04-01              PRIOR APPLICATION NUMBER: 60/080334
PRIOR APPLICATION NUMBER: 60/064249        PRIOR FILING DATE: 1998-04-01              PRIOR APPLICATION NUMBER: 60/081070
PRIOR FILING DATE: 1997-11-03              PRIOR FILING DATE: 1998-04-08              PRIOR APPLICATION NUMBER: 60/081049
PRIOR APPLICATION NUMBER: 60/065311        PRIOR FILING DATE: 1998-04-08              PRIOR APPLICATION NUMBER: 60/081071
PRIOR FILING DATE: 1997-11-13              PRIOR FILING DATE: 1998-04-08              PRIOR APPLICATION NUMBER: 60/081195
PRIOR APPLICATION NUMBER: 60/066364        PRIOR FILING DATE: 1998-04-08              PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1997-11-21              PRIOR FILING DATE: 1998-04-09              PRIOR APPLICATION NUMBER: 60/081229
PRIOR APPLICATION NUMBER: 60/077450        PRIOR FILING DATE: 1998-04-09              PRIOR APPLICATION NUMBER: 60/081955
PRIOR FILING DATE: 1998-03-10              PRIOR FILING DATE: 1998-04-15              PRIOR APPLICATION NUMBER: 60/081817
PRIOR APPLICATION NUMBER: 60/077632        PRIOR FILING DATE: 1998-04-15              PRIOR APPLICATION NUMBER: 60/081819
PRIOR FILING DATE: 1998-03-11              PRIOR FILING DATE: 1998-04-15              PRIOR APPLICATION NUMBER: 60/081952
PRIOR APPLICATION NUMBER: 60/077641        PRIOR FILING DATE: 1998-04-15              PRIOR APPLICATION NUMBER: 60/081838
PRIOR FILING DATE: 1998-03-11              PRIOR FILING DATE: 1998-04-15              PRIOR APPLICATION NUMBER: 60/082568
PRIOR APPLICATION NUMBER: 60/077649        PRIOR FILING DATE: 1998-04-21              PRIOR APPLICATION NUMBER: 60/082569
PRIOR FILING DATE: 1998-03-11              PRIOR FILING DATE: 1998-04-21              PRIOR APPLICATION NUMBER: 60/082704
PRIOR APPLICATION NUMBER: 60/077791        PRIOR FILING DATE: 1998-04-22              PRIOR APPLICATION NUMBER: 60/082804
PRIOR FILING DATE: 1998-03-12              PRIOR FILING DATE: 1998-04-22              PRIOR APPLICATION NUMBER: 60/082700
PRIOR APPLICATION NUMBER: 60/078004        PRIOR FILING DATE: 1998-04-22              PRIOR APPLICATION NUMBER: 60/082797
PRIOR FILING DATE: 1998-03-13              PRIOR FILING DATE: 1998-04-22              PRIOR APPLICATION NUMBER: 60/082796
PRIOR APPLICATION NUMBER: 60/078886        PRIOR FILING DATE: 1998-04-23              PRIOR APPLICATION NUMBER: 60/083336
PRIOR FILING DATE: 1998-03-20              PRIOR FILING DATE: 1998-04-27              PRIOR APPLICATION NUMBER: 60/083322
PRIOR APPLICATION NUMBER: 60/078936        PRIOR FILING DATE: 1998-04-28              PRIOR APPLICATION NUMBER: 60/083392
PRIOR FILING DATE: 1998-03-20              PRIOR FILING DATE: 1998-04-29              PRIOR APPLICATION NUMBER: 60/083495
PRIOR APPLICATION NUMBER: 60/078910        PRIOR FILING DATE: 1998-04-29              PRIOR APPLICATION NUMBER: 60/083496
PRIOR FILING DATE: 1998-03-20              PRIOR FILING DATE: 1998-04-29              PRIOR APPLICATION NUMBER: 60/083499
PRIOR APPLICATION NUMBER: 60/078939        PRIOR FILING DATE: 1998-04-29              PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-03-20              PRIOR FILING DATE: 1998-04-29              PRIOR APPLICATION NUMBER: 60/083554
PRIOR APPLICATION NUMBER: 60/079294        PRIOR FILING DATE: 1998-04-29              PRIOR APPLICATION NUMBER: 60/083558
PRIOR FILING DATE: 1998-03-25              PRIOR FILING DATE: 1998-04-29              PRIOR APPLICATION NUMBER: 60/083559
PRIOR APPLICATION NUMBER: 60/079728        PRIOR FILING DATE: 1998-04-29              PRIOR APPLICATION NUMBER: 60/083500
PRIOR FILING DATE: 1998-03-26              PRIOR FILING DATE: 1998-04-29              PRIOR APPLICATION NUMBER: 60/083742
PRIOR APPLICATION NUMBER: 60/079664        PRIOR FILING DATE: 1998-04-30              PRIOR APPLICATION NUMBER: 60/084366
PRIOR FILING DATE: 1998-03-27              PRIOR FILING DATE: 1998-05-05              PRIOR APPLICATION NUMBER: 60/084414
PRIOR APPLICATION NUMBER: 60/079786        PRIOR FILING DATE: 1998-05-06              PRIOR APPLICATION NUMBER: 60/084441
PRIOR FILING DATE: 1998-03-27              PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/079689
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079920
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/079923
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/080105
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080107
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080194
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080327
```

```
Qy   143 oArgAspMetValAlaValGlyGluGlnPheThrLeuGluCysGlyProProTrpGl 163
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   420 TCGGGACATGGTGGCTGTGGGTGGTGGTGAGCAGTTTACTCTGGAATGTGGGCCGCCCTGGGG 479

Qy   163 yHisProGluProThrValSerTrpIleValSerProGlyLysProLeuAlaLeuGlnProGl 183
             |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   480 CCACCCAGAGCCCACAGTCTCATGGTGGAAAGATGGGAAACCCCTGCCCTCCAGCCCG 539

Qy   183 yArgHisThrValSerGlyGlySerLeuLeuMetAlaArgAlaGluLysSerAspGlu** 203
             |||||||||||||||||||||||||||||||||||||||||||||||||||
Db   540 AAGGCACACAGTGTCCGGGGGGTCCCTGCTGATGGCAAGAGCAGAGAAGAGTGACGAAGG 599

Qy   203 *-ThrTyrMetCysValAlaThrAsnSerAlaGlyHisArgGluSerArgAlaAlaArgV 223
             |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   600 -GACCTACATGTGTGTGGCCACCAACAGCGGACATAGGGAGGAGCCGCCGCAGCCCGGG 658

Qy   223 alSerIleGlnGluProGlnAspTyrThrGluProValGluLeuLeuAlaValArgIleG 243
             |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   659 TTTCCATCCAGGAGCCCCAGGACTACACGGAGCCTGTGGAGCTTCTGGCTGTGCGAATTC 718

Qy   243 lnLeuGluAsnValThrLeuLeuAsnProAspProLysProLysProLysProArgProA 263
             |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   719 AGCTGGAAAATGTGACACTGCTGAACCCGGATCCTGAACCCAAGAGGGGCCCAAGCCTAGACCG 778

Qy   263 laValTrpLeu 266
             |||||||||||
Db   779 CGGTGTGGCTC 789
```

RESULT 9
US-09-978-189-210

```
Alignment Scores:
Pred. No.:                          Length:          3716
Score:                1.37e-131     Matches:          261
Percent Similarity:   98.49%        Conservative:       0
Best Local Similarity: 98.49%       Mismatches:         2
Query Match:          48.84%        Indels:             4
DB:                        9        Gaps:               0

US-10-047-021-86 (1-303) x US-09-999-832A-210 (1-3716)

Qy     4 GlyGlyAspSerLeuLeuGlyGlyArgGlySerLeuProLeuLeuLeuLeuIleMet 23
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     1 GGAGGGAGACAGCCTCCTGGGGGGCAGGGGTTCCCTGCCTCCTGCTCCTGCTCATCATG 60

Qy    24 GlyGlyMetAlaGlnAspSerProProGlnIleLeuValHisProGlnAspGlnLeuPhe 43
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    61 GGAGGCATGGCCCAGGACTCCCCGCCCCAGATCCTAGTCCACCCCAGGACCAGCTGTTC 120

Qy    44 GlnGlyProGlyProAlaAlaArgMetSerCysArg-AlaSerGlyGlnProProThrIl 63
             |||||||||||||||||||||||||||   ||||||||||||||||||||||
Db   121 CAGGGGCCCTGGCCCTGCCAGGATGAGCTGCCA-AGCCTCAGGCCAGCCACCTCCCACCAT 179

Qy    63 eArgTrpLeuAsnGlyGlnGlnProLeuSerMetValProProAspProHisHisLeuLe 83
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   180 CCGCTGGTTGCTGAATGGGCAGCCCCTGAGCATGGTGCCCCCAGACCCCACACCTCCT 239

Qy    83 uProAspGlyThrLeuLeuLeuGlnProProAlaArgGlyHisAlaHisAspGlyGl 103
             ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   240 GCCTGATGGGACCCTTCTGCTGCTACAGCCCCCTGCCCCGGGGACATGCCCCACGATGCCA 299

Qy   103 nAlaLeuSerThrAspLeuGlyValTyrThrCysGluAlaSerAsnArgLeuGlyThrAl 123
             ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   300 GGCCCTGTCCACAGACCTGGGTGTCACACATGTGAGGCGCAGCAACCGGCTTGGCACGGC 359

Qy   123 aValSerArgGlyAlaArgLeuSerValAlaValLeuArgGluArgPheGlnIleGlnPr 143
             ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   360 AGTCAGCAGAGGGCGCTCGGCTGTCTCTGTGGCTGTCCTCCCGGAGGATTTCCAGATCCAGCC 419
```

```
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/078004
PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/078886
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078936
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078939
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079664
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079689
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079786
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079920
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079923
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/080105
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080107
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080194
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080327
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080328
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080333
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080334
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/081070
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081049
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081071
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081195
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081955
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15

PRIOR APPLICATION NUMBER: 60/081819
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081952
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081838
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082568
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082569
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082704
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082804
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082700
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082797
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082796
PRIOR FILING DATE: 1998-04-23
PRIOR APPLICATION NUMBER: 60/083336
PRIOR FILING DATE: 1998-04-27
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083392
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083495
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083496
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083499
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083554
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083558
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083559
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083500
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083742
PRIOR FILING DATE: 1998-04-30
PRIOR APPLICATION NUMBER: 60/084366
PRIOR FILING DATE: 1998-05-05
PRIOR APPLICATION NUMBER: 60/084414
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084441
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084639
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084640
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084598
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-5-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084643
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085323
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085582
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085700
```

Db 719 AGCTGGAAAATGTGACACTGCTGCGAACCCGGATCCTGCGAGAGGGCCCCAAGCCTTAGACCGG 778

Qy 263 laValTrpLeu 266
         ||||||||
Db 779 CGGGTGGCTC 789

RESULT 10
US-09-978-608A-210

; Sequence 210, Application US/09978608A
; Publication No. US2003004546241
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C22
; CURRENT APPLICATION NUMBER: US/09/978,608A
; CURRENT FILING DATE: 2001-10-16
; NUMBER OF SEQ ID NOS: 624
; Prior Application removed - See File Wrapper or Palm
; SEQ ID NO 210
; LENGTH: 3716
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-978-608A-210

Alignment Scores:
Pred. No.:
Score: 1.37e-131
                          148.00
Percent Similarity: 98.49%
Best Local Similarity: 98.49%
Query Match: 48.84%
DB:

Length: 3716
Matches: 261
Conservative: 0
Mismatches: 2
Indels: 4
Gaps: 0

US-10-047-021-86 (1-303) x US-09-978-608A-210 (1-3716)

Qy   4 GlyGlyAspSerLeuLeuGlyGlyArgGlySerLeuProLeuLeuLeuLeuIleMet 23
Db   1 GGAGGAGACAGCCTCCTGGGGGGCAGGGGTTCCCTGCCTCCTGCTCCTGCTCATCATG 60
Qy   24 GlyGlyMetAlaGlnAspAsnSerProProGlnIleLeuValHisProGlnLeuPhe 43
Db   61 GGAGGCATGGCTCAGGACTCCCCGCCCCAGGAACCTAGTCCACCCCCAGGACCAGCTGTTC 120
Qy   44 GlnGlyProGlyProAlaArgMetSerCysArg-AlaSerGlyGlnProProThrIl 63
Db 121 CAGGGCCCTGGCCCTGCCAGGATGAGCTGCCA-AGCCTCAGGCCAGCCACCTCCCACCAT 179

Alignment Scores:
Pred. No.:
Score: 1.37e-131
                          148.00
Percent Similarity: 98.49%
Best Local Similarity: 98.49%
Query Match: 48.84%
DB:

Length: 3716
Matches: 261
Conservative: 0
Mismatches: 2
Indels: 4
Gaps: 0

US-10-047-021-86 (1-303) x US-09-978-189-210 (1-3716)

Qy   4 GlyGlyAspSerLeuLeuGlyGlyArgGlySerLeuProLeuLeuLeuLeuIleMet 23
Db   1 GGAGGAGACAGCCTCCTGGGGGGCAGGGGTTCCCTGCCTCCTGCTCCTGCTCATCATG 60
Qy   24 GlyGlyMetAlaGlnAspAsnSerProProGlnIleLeuValHisProGlnLeuPhe 43
Db   61 GGAGGCATGGCTCAGGACTCCCCGCCCCAGGAACCTAGTCCACCCCCAGGACCAGCTGTTC 120
Qy   44 GlnGlyProGlyProAlaArgMetSerCysArg-AlaSerGlyGlnProProThrIl 63
Db 121 CAGGGCCCTGGCCCTGCCAGGATGAGCTGCCA-AGCCTCAGGCCAGCCACCTCCCACCAT 179
Qy   63 eArgTrpLeuLeuAsnGlyGlnProLeuSerMetValProProAspProHisHisLeuLeu 83
Db 180 CCCCTGGTTGCTGAATGGGCAGCCCCTGAGCATGGTGCCCCCAGACCCACACCACCACCTCCT 239
Qy   83 uProAspGlyThrLeuLeuLeuGlnProAlaArgGlyHisAlaHisAspGlyGl 103
Db 240 GCCTGATGGGACCCTTCTGCTGCTACAGCCCCGGGGGACATGCCCACGATGCCCA 299
Qy 103 nAlaLeuSerThrAspLeuGlyLeuValThrTyrThrCysGluAlaSerAsnArgGlyThrAl 123
Db 300 GGCCCTGTCCACAGACCTGGGTGTCTACACCATGTGAGGCCAGCAACCGGCTTGGCACGGC 359
Qy 123 aValSerArgGlyAlaArgLeuSerValAlaValLeuArgGlyAspPheGlnIleGlnPr 143
Db 360 AGTCAGCAGCAGAGGCGCTGGCCTGTCTGTGTGCTGTTCCTCCGGAGGATTTCCAGATCCAGCC 419
Qy 143 oArgAspMetValAlaValAlaValAlaGlyLeuGlnPheThrLeuGluCysGlyProTrpProG1 163
Db 420 TCGGGACATGGTGGCTGTGGTGGGTGAGCAGTTTACTCTGGAAATGTGGCCCCCCTGGGGG 479
Qy 163 yHisProGluProThrValSerTrpTrpLysAspTyrThrGluProLeuGlnProGl 183
Db 480 CCACCCACCAGTCCCAGGAAGATGGGAAACCCCTGGCCCTTCCAGCCCGG 539
Qy 183 yArgHisThrValSerGlyGlySerLeuMetAlaArgAlaGluLysSerAspGlu** 203
Db 540 AAGGCACACACAGTTGTCCGGGGGGTCCCTGCTGATGGCAAGAGCAGAGAGTGACCAAGG 599
Qy 203 *-ThrTyrMetCysValAlaThrAsnSerAlaGlyHisArgGluSerArgAlaAlaArgV 223
Db 600 -GACCTACATGTGTGTGGCCACCAACAGCGCAGGACATAGGGAGAGCCGCGAGCCCGGG 658
Qy 223 alSerIleGlnGluProGlnAspTyrThrGluProValGluLeuLeuAlaValAlaArgIleG 243
Db 659 TTTCCATCCAGGAGCCCCAGGACTCACCGAGCCTGTGGAGCTTCTGGCTGTGGCGAATTC 718
Qy 243 lnLeuGluAsnValThrLeuAsnAsnProAspProAlaGluGlyGlyProLysProAlaProProA 263
Db 721 CAGGGCCCTGGCCCTGCCAGGATGAGCTGCCA-AGCCTCAGGCCAGCCACCTCCCACCAT 179

; APPLICANT: Tunas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C15
; CURRENT APPLICATION NUMBER: US/09/978,585A
; CURRENT FILING DATE: 2001-10-16
; NUMBER OF SEQ ID NOS: 624
; Prior Application removed - See File Wrapper or Palm
; SEQ ID NO 210
; LENGTH: 3716
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-978-585A-210

Alignment Scores:
Pred. No.:   1.37e-131   Length: 3716
Score: 148.00   Matches: 261
Percent Similarity: 98.49%   Conservative: 0
Best Local Similarity: 98.49%   Mismatches: 2
Query Match: 48.84%   Indels: 4
DB: 10   Gaps: 0

US-10-047-021-86 (1-303) x US-09-978-585A-210 (1-3716)

```
Qy      4 GlyGlyAspSerLeuLeuGlyGlyArgGlySerLeuProLeuLeuLeuLeuIleMet    23
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 GGAGGAGACAGCCCTCTGGGGGGCGAGGGGTTCCCTGCCTTCTGCTCCTGCTCATCATG  60

Qy     24 GlyGlyMetAlaGlnAsnSerProProGlnIleLeuValHisProGlnAspLeuPhe    43
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 GGAGGCATGGCCCAGAACTCCCCAGCCCCAGATCCTAGTCCACCCCCAGGACCAGCTGTTC 120

Qy     44 GlnGlyProGlyProAlaArgMetSerCysArg-AlaSerGlyGlnProProProThrIl   63
          |||||||||||||||||||||||||||||||||| |||||||||||||||||||||||||
Db    121 CAGGGGCCTGGCCCTGCCCGCCAGGATGAGCTCCA-AGCCTCAGGGCCAGCCACCTCCAACCAT 179

Qy     63 eArgTrpLeuLeuAsnGlyGlnProLeuSerMetValProProAspProHisHisLeuLe   83
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    180 CCGCTGGTTGCTGAATGGGCAGCCCCTGAGCATGGTGCCCCGGGACATGCCACCACCTCCT 239

Qy     83 uProAspGlyThrLeuLeuLeuGlnProProAlaArgGlyHisAlaHisAspGlyGl    103
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    240 GCCTGATGGGACCCTTCTGCTGCTACAGCCCCCGCCCGGGACATGCCACGATGGCCA 299

Qy    103 nAlaLeuSerThrAspLeuGlyValThrCysGluAlaSerAsnArgLeuGlyThrAl    123
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    300 GGCCCTGTCCACAGACCTGGGTGTCTACACATGTGAGGCCAGCAACCGGCTTGGCACGGC 359

Qy    123 aValSerArgGlyAlaArgLeuSerValAlaValAlaArgGluAspPheGlnIleGlnPr   143
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    360 AGTCAGCAGAGGCGCTGGCTGTCTGTGGCTGTCCTCCGGGAGGATTTCCAGATCCAGCC 419

Qy    143 oArgAspMetValAlaValAlaValGlyGlnProPheThrLeuGluCysGlyProProGl   163
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    420 TCGGGACATGGTGGCTGTGGTGGTGGGTGAGCAGTTTACTCTGGAATGTGGGCCGCCCTGGGG 479

Qy    163 yHisProGluProThrValSerTrpTrpLysProLeuAlaLeuGlnProGl    183
          |||||||||||||||||||||||||||||||||||||||||||||||||||
Db    480 CCACCCCAGGAGCCCACAGTCTCATGGTGGAAAAGATGGGAAACCCCTGGCCCTCCAGCCCGG 539

Qy    183 yArgHisThrValSerGlyGlySerLeuLeuMetAlaAlaArgAlaLysSerAspGlu**   203
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    540 AAGGCACACCAGTGTCCGGGGGGTCCCTGCTGATGGCAAGAGCAGAGAGAGTGACGAAGG 599

Qy    203 *-ThrTyrMetCysValAlaThrAsnSerAlaGlyHisArgGluSerArgAlaAlaArgV   223
          |  |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    600 -GACCTACATGTGTGTGGCCACCAACAGCGCAGGACATAGGAGGAGCCGCGAGCCCGGG 658

Qy    223 aIleSerIleGlnAspTyrThrGluProValGluLeuAlaValArgIleG    243
          |||||||||||||||||||||||||||||||||||||||||||||||||
Db    659 TTTCCATCCAGGAGCCCCAGGACTACACCGGAGCCTGTGGAGCTTCTGGCTGTGCGAATTC 718

Qy    263 laValTrpLeu 266
          |||||||||||
Db    779 CGGTGTGGGCTC 789
```

RESULT 11
US-09-978-585A-210
; Sequence 210, Application US/09/978585A
; Publication No. US20030049633A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.

```
Qy    243  lnLeuGluAsnValThrLeuLeuAsnProAspProAlaGluGlyProLysProArgProA 263
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    719  AGCTGGAAAATGTGACACTGCTGAACCCGGATCCTGCAGAGGGCCCAAGCCTAGACCGG 778

Qy    263  laValTrpLeu 266
           ||||||||||
Db    779  CGGTGTGGCTC 789
```

RESULT 12
US-09-978-191A-210
; Sequence 210, Application US/09978191A
; Publication No. US20030050239A1
; GENERAL INFORMATION:
,, APPLICANT: Ashkenazi, Avi
,, APPLICANT: Baker Kevin P.
,, APPLICANT: Botstein, David
,, APPLICANT: Desnoyers, Luc
,, APPLICANT: Eaton, Dan
,, APPLICANT: Ferrara, Napoleon
,, APPLICANT: Filvaroff, Ellen
,, APPLICANT: Fong, Sherman
,, APPLICANT: Gao, Wei-Qiang
,, APPLICANT: Gerber, Hanspeter
,, APPLICANT: Gerritsen, Mary E.
,, APPLICANT: Goddard, Audrey
,, APPLICANT: Godowski, Paul J.
,, APPLICANT: Grimaldi, J. Christopher
,, APPLICANT: Gurney, Austin L.
,, APPLICANT: Hillan, Kenneth J
,, APPLICANT: Kljavin, Ivar J.
,, APPLICANT: Kuo, Sophia S.
,, APPLICANT: Napier, Mary A.
,, APPLICANT: Pan, James;
,, APPLICANT: Paoni, Nicholas F.
,, APPLICANT: Roy, Margaret Ann
,, APPLICANT: Shelton, David L.
,, APPLICANT: Stewart, Timothy A.
,, APPLICANT: Tumas, Daniel
,, APPLICANT: Williams, P. Mickey
,, APPLICANT: Wood, William I.
,, TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
,, TITLE OF INVENTION: Acids Encoding the Same
,, FILE REFERENCE: P2630P1C4
,, CURRENT APPLICATION NUMBER: US/09/978,191A
,, CURRENT FILING DATE: 2001-10-15
,, PRIOR APPLICATION NUMBER: 09/918585
,, PRIOR FILING DATE: 2001-07-30
,, PRIOR APPLICATION NUMBER: 60/062250
,, PRIOR FILING DATE: 1997-10-17
,, PRIOR APPLICATION NUMBER: 60/064249
,, PRIOR FILING DATE: 1997-11-03
,, PRIOR APPLICATION NUMBER: 60/065311
,, PRIOR FILING DATE: 1997-11-13
,, PRIOR APPLICATION NUMBER: 60/066364
,, PRIOR FILING DATE: 1997-11-21
,, PRIOR APPLICATION NUMBER: 60/077450
,, PRIOR FILING DATE: 1998-03-10
,, PRIOR APPLICATION NUMBER: 60/077632
,, PRIOR FILING DATE: 1998-03-11
,, PRIOR APPLICATION NUMBER: 60/077641
,, PRIOR FILING DATE: 1998-03-11
,, PRIOR APPLICATION NUMBER: 60/077649
,, PRIOR FILING DATE: 1998-03-11
,, PRIOR APPLICATION NUMBER: 60/077791
,, PRIOR FILING DATE: 1998-03-12
,, PRIOR APPLICATION NUMBER: 60/078004
,, PRIOR FILING DATE: 1998-03-13
,, PRIOR APPLICATION NUMBER: 60/078886
,, PRIOR FILING DATE: 1998-03-20
,, PRIOR APPLICATION NUMBER: 60/078936
,, PRIOR FILING DATE: 1998-03-20
,, PRIOR APPLICATION NUMBER: 60/078910
,, PRIOR FILING DATE: 1998-03-20　　　PRIOR APPLICATION NUMBER: 60/078939
,, PRIOR FILING DATE: 1998-03-20　　　PRIOR APPLICATION NUMBER: 60/079294
,, PRIOR FILING DATE: 1998-03-25
,, PRIOR APPLICATION NUMBER: 60/079656
,, PRIOR FILING DATE: 1998-03-26
,, PRIOR APPLICATION NUMBER: 60/079664
,, PRIOR FILING DATE: 1998-03-27
,, PRIOR APPLICATION NUMBER: 60/079689
,, PRIOR FILING DATE: 1998-03-27
,, PRIOR APPLICATION NUMBER: 60/079663
,, PRIOR FILING DATE: 1998-03-27
,, PRIOR APPLICATION NUMBER: 60/079728
,, PRIOR FILING DATE: 1998-03-27
,, PRIOR APPLICATION NUMBER: 60/079786
,, PRIOR FILING DATE: 1998-03-27
,, PRIOR APPLICATION NUMBER: 60/079920
,, PRIOR FILING DATE: 1998-03-30
,, PRIOR APPLICATION NUMBER: 60/079923
,, PRIOR FILING DATE: 1998-03-30
,, PRIOR APPLICATION NUMBER: 60/080105
,, PRIOR FILING DATE: 1998-03-31
,, PRIOR APPLICATION NUMBER: 60/080107
,, PRIOR FILING DATE: 1998-03-31
,, PRIOR APPLICATION NUMBER: 60/080165
,, PRIOR FILING DATE: 1998-03-31
,, PRIOR APPLICATION NUMBER: 60/080194
,, PRIOR FILING DATE: 1998-03-31
,, PRIOR APPLICATION NUMBER: 60/080327
,, PRIOR FILING DATE: 1998-04-01
,, PRIOR APPLICATION NUMBER: 60/080328
,, PRIOR FILING DATE: 1998-04-01
,, PRIOR APPLICATION NUMBER: 60/080333
,, PRIOR FILING DATE: 1998-04-01
,, PRIOR APPLICATION NUMBER: 60/080334
,, PRIOR FILING DATE: 1998-04-01
,, PRIOR APPLICATION NUMBER: 60/081070
,, PRIOR FILING DATE: 1998-04-08
,, PRIOR APPLICATION NUMBER: 60/081049
,, PRIOR FILING DATE: 1998-04-08
,, PRIOR APPLICATION NUMBER: 60/081071
,, PRIOR FILING DATE: 1998-04-08
,, PRIOR APPLICATION NUMBER: 60/081195
,, PRIOR FILING DATE: 1998-04-08
,, PRIOR APPLICATION NUMBER: 60/081203
,, PRIOR FILING DATE: 1998-04-09
,, PRIOR APPLICATION NUMBER: 60/081229
,, PRIOR FILING DATE: 1998-04-09
,, PRIOR APPLICATION NUMBER: 60/081955
,, PRIOR FILING DATE: 1998-04-15
,, PRIOR APPLICATION NUMBER: 60/081817
,, PRIOR FILING DATE: 1998-04-15
,, PRIOR APPLICATION NUMBER: 60/081819
,, PRIOR FILING DATE: 1998-04-15
,, PRIOR APPLICATION NUMBER: 60/081952
,, PRIOR FILING DATE: 1998-04-15
,, PRIOR APPLICATION NUMBER: 60/081838
,, PRIOR FILING DATE: 1998-04-15
,, PRIOR APPLICATION NUMBER: 60/082568
,, PRIOR FILING DATE: 1998-04-21
,, PRIOR APPLICATION NUMBER: 60/082569
,, PRIOR FILING DATE: 1998-04-21
,, PRIOR APPLICATION NUMBER: 60/082704
,, PRIOR FILING DATE: 1998-04-22
,, PRIOR APPLICATION NUMBER: 60/082804
,, PRIOR FILING DATE: 1998-04-22
,, PRIOR APPLICATION NUMBER: 60/082700
,, PRIOR FILING DATE: 1998-04-22
,, PRIOR APPLICATION NUMBER: 60/082797
,, PRIOR FILING DATE: 1998-04-22
,, PRIOR APPLICATION NUMBER: 60/082796
,, PRIOR FILING DATE: 1998-04-23

US-10-047-021-86 (1-303) x US-09-978-191A-210 (1-3716)

```
Qy     4 GlyGlyAspSerLeuLeuGlyLyArgGlySerLeuProLeuLeuLeuLeuIleMet  23
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     1 GGAGGAGACAGCCTCCTGGGGGGCAGGGGTCCCTGCTGCTGCTGCTGCTCATCATG  60

Qy    24 GlyGlyMetAlaGlnAspSerProProGlnIleLeuValHisProGlnLeuPhe  43
           ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    61 GGAGGCATGGCTCAGGAGATCCCCAGATCCTAGTCCACCCCAGGACCAGCTGTTC 120

Qy    44 GlnGlyTyrProAlaArgMetSerCysArg-AlaSerGlyGlnInProProThrIl  63
           ||||||||||||||||||||||||||||   ||||||||||||||||||||||
Db   121 CAGGGCCCTGGCCCTGCCAGGATGAGCTGCCA-AGCCTCAGGCACCAGCCTCCACCAT 179

Qy    63 eArgTrpLeuLeuAsnGlyGlnProLeuSerMetValProProHisLeuLe  83
           ||||||||||||||||||||||||||||||||||||||||||||||||
Db   180 CCGCTGGTTGCTGAATGGGCAGCCCCTGAGCATGGTGCCCCCAGACCCACCACCTCCT 239

Qy    83 uProAspGlyThrLeuLeuLeuGlnProProAlaArgGlyHisAlaHisAspGlyGl 103
           ||||||||||||||||||||||||||||||||||||||||||||||||||
Db   240 GCCTGATGGGACCCTTCTGCTGCTACAGCCCCGCGGGACATGCCCACGATGGCCA 299

Qy   103 nAlaLeuSerThrAspLeuGlyValTyrThrCysGluAlaSerAsnArgLeuGlyThrAl 123
           ||||||||||||||||||||||||||||||||||||||||||||||||
Db   300 GGCCCTGTCCACAGACCTGGGTGTCTACACATGTGAGGCCAGCAACCGGCTTGGCACGGC 359

Qy   123 aValSerArgGlyAlaArgLeuServalAlaValLeuArgGluAspPheGlnIleGlnPr 143
           ||||||||||||||||||||||||||||||||||||||||||||||||
Db   360 AGTCAGCAGAGCGGCTCGGCTGTCTGGTGGCTGTCCTCCGGGAGATTCCAGATCCAGCC 419

Qy   143 oArgAspMetValAlaValGlyValGlnPheThrLeuGluCysGlyProProTrpGl 163
           |||||||||||||||||||||||||||||||||||||||||||||||
Db   420 TCGGGACATGGTGGCTGTGGGTGGGTGAGCAGTTTACTCTGGAAGTGGGGCCGCCCTGGGG 479

Qy   163 yHisProGluProThrValSerTrpIleLysAspGlyLysProLeuAlaLeuGlnProGl 183
           |||||||||||||||||||||||||||||||||||||||||||||||
Db   480 CCACCCAGAGCCCAGTCTCATGGTGGGAAAGATGGGAAACCCCTGGCCCTCCAGCCCCGG 539

Qy   183 yArgHisThrValSerGlyGlySerLeuLeuMetAlaArgAlaGluLysSerAspGlu** 203
           |||||||||||||||||||||||||||||||||||||||||||||||||
Db   540 AAGGCACACAGTGTCCGGGGGGTCCCTGCTGATGGCAAGAGCAGAGAAGTGACGAAGG 599

Qy   203 *-ThrTyrMetCysValAlaThrAsnSerAlaGlyHisArgGluSerArgAlaAlaArgV 223
            | ||||||||||||||||||||||||||||||||||||||||||||||
Db   600 -GACCTACATGTGTGTGGCCACCAACAGCGCAGGACATAGGGAGAGCCGCGCAGCCCGGG 658

Qy   223 alSerIleGlnGluProGlnAspTyrThrGluProValGluLeuLeuAlaValArgIleG 243
           |||||||||||||||||||||||||||||||||||||||||||||||
Db   659 TTTCCATCCAGGAGCCCCAGGACTACACGGAGCCTGTGGAGCTTCTGGCTGTGCGAATTC 718

Qy   243 lnLeuGluAsnValThrLeuLeuAsnProAspProAlaGluGlyProLysProArgProA 263
           ||||||||||||||||||||||||||||||||||||||||||||||
Db   719 AGCTGGAAAATGTGACACTGCTGAACCCGGATCCTGCAGAGGGGGCCCCAAGCCTAGACCGG 778

Qy   263 laValTrpLeu 266
           |||||||||||
Db   779 CGGTGTGGCTC 789
```

Left margin column:

```
;  PRIOR APPLICATION NUMBER: 60/083336
;  PRIOR FILING DATE: 1998-04-27
;  PRIOR APPLICATION NUMBER: 60/083322
;  PRIOR FILING DATE: 1998-04-28
;  PRIOR APPLICATION NUMBER: 60/083392
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: 60/083495
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: 60/083496
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: 60/083499
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: 60/083545
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: 60/083554
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: 60/083558
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: 60/083559
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: 60/083500
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: 60/083742
;  PRIOR FILING DATE: 1998-04-30
;  PRIOR APPLICATION NUMBER: 60/084366
;  PRIOR FILING DATE: 1998-05-05
;  PRIOR APPLICATION NUMBER: 60/084414
;  PRIOR FILING DATE: 1998-05-06
;  PRIOR APPLICATION NUMBER: 60/084441
;  PRIOR FILING DATE: 1998-05-06
;  PRIOR APPLICATION NUMBER: 60/084637
;  PRIOR FILING DATE: 1998-05-07
;  PRIOR APPLICATION NUMBER: 60/084639
;  PRIOR FILING DATE: 1998-05-07
;  PRIOR APPLICATION NUMBER: 60/084640
;  PRIOR FILING DATE: 1998-05-07
;  PRIOR APPLICATION NUMBER: 60/084598
;  PRIOR FILING DATE: 1998-05-07
;  PRIOR APPLICATION NUMBER: 60/084600
;  PRIOR FILING DATE: 1998-05-07
;  PRIOR APPLICATION NUMBER: 60/084627
;  PRIOR FILING DATE: 1998-05-07
;  PRIOR APPLICATION NUMBER: 60/084643
;  PRIOR FILING DATE: 1998-05-07
;  PRIOR APPLICATION NUMBER: 60/085339
;  PRIOR FILING DATE: 1998-05-13
;  PRIOR APPLICATION NUMBER: 60/085338
;  PRIOR FILING DATE: 1998-05-13
;  PRIOR APPLICATION NUMBER: 60/085323
;  PRIOR FILING DATE: 1998-05-13
;  PRIOR APPLICATION NUMBER: 60/085582
;  PRIOR FILING DATE: 1998-05-15
;  PRIOR APPLICATION NUMBER: 60/085700
;  PRIOR FILING DATE: 1998-05-15
;  PRIOR APPLICATION NUMBER: 60/085689
;  PRIOR FILING DATE: 1998-05-15
;  PRIOR APPLICATION NUMBER: 60/085579
;  PRIOR FILING DATE: 1998-05-15
;  PRIOR APPLICATION NUMBER: 60/085580
;  PRIOR FILING DATE: 1998-05-15
;  PRIOR APPLICATION NUMBER: 60/085573
;  PRIOR FILING DATE: 1998-05-15
;  PRIOR APPLICATION NUMBER: 60/085704
;  PRIOR FILING DATE: 1998-05-15
;  PRIOR APPLICATION NUMBER: 60/085697
```

Alignment Scores:

Pred. No.:	1.37e-131
Score:	148.00
Percent Similarity:	98.49%
Best Local Similarity:	98.49%
Query Match:	48.84%
DB:	10

Length:	3716
Matches:	261
Conservative:	0
Mismatches:	2
Indels:	4
Gaps:	0

```
APPLICANT:  Gerber, Hanspeter
APPLICANT:  Gerritsen, Mary E.
APPLICANT:  Goddard, Audrey
APPLICANT:  Godowski, Paul J.
APPLICANT:  Grimaldi, J. Christopher
APPLICANT:  Gurney, Austin L.
APPLICANT:  Hillan, Kenneth J
APPLICANT:  Kljavin, Ivar J.
APPLICANT:  Kuo, Sophia S.
APPLICANT:  Napier, Mary A.
APPLICANT:  Pan, James;
APPLICANT:  Paoni, Nicholas F.
APPLICANT:  Roy, Margaret Ann
APPLICANT:  Shelton, David L.
APPLICANT:  Stewart, Timothy A.
APPLICANT:  Tumas, Daniel
APPLICANT:  Williams, P. Mickey
APPLICANT:  Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2630P1C17
CURRENT APPLICATION NUMBER: US/09/978,403A
CURRENT FILING DATE: 2002-03-19
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078004
PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/078886
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078936
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078939
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079664
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079689
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079786
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079920
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/079923
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/080105
PRIOR FILING DATE: 1998-03-31

PRIOR APPLICATION NUMBER: 60/080107
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080194
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080327
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080328
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080333
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080334
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/081070
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081049
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081071
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081195
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081955
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081819
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081952
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081838
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082568
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082569
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082704
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082804
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082700
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082797
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082796
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/083336
PRIOR FILING DATE: 1998-04-23
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-27
PRIOR APPLICATION NUMBER: 60/083392
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083495
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083496
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083499
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083554
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083558
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083559
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083500
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083742
PRIOR FILING DATE: 1998-04-29
```

```
; PRIOR FILING DATE: 1998-04-30
; PRIOR APPLICATION NUMBER: 60/084366
; PRIOR FILING DATE: 1998-05-05
; PRIOR APPLICATION NUMBER: 60/084414
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084441
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084637
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084639
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084640
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084598
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084627
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085339
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085338
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085689
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085697
; PRIOR FILING DATE: 1998-05-15
```

```
Alignment Scores:
Pred. No.:              1.37e-131      Length:        3716
Score:                  148.00         Matches:       261
Percent Similarity:     98.49%         Conservative:  0
Best Local Similarity:  98.49%         Mismatches:    2
Query Match:            48.84%         Indels:        4
DB:                     10             Gaps:          0
```

```
US-10-047-021-86 (1-303) x US-09-978-403A-210 (1-3716)

Qy     4 GlyGlyAspSerLeuGlyLeuGlyLeuArgGlySerLeuProLeuLeuLeuLeuLeuIleMet  23
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     1 GGAGGAGACAGCCTCCTCGGGGGCGGCCAGGGGTTCCCTGCCTCGTCCTGCTCATCATG  60

Qy    24 GlyGlyMetAlaGlnAspSerProProGlnIleLeuValHisProGlnAspGlnLeuPhe  43
          ||||||||||||||||||||||||||||||||||||||||||||
Db    61 GGAGGCATGGCTCAGGACTCCCCGCCCCAGATCCTAGTCCACCCCCAGGACCAGCTGTTC 120

Qy    44 GlnGlyProGlyProAlaArgMetSerCysArg-AlaSerGlyGlnProProThrIl  63
          ||||||||||||||||||||||||||||||||| ||||||||||||||||||||||
Db   121 CAGGGGCCCTGGCCCTGCCAGGATGAGCTGCCA-AGCCTCAGGCAGCCACCTCCACCAT 179

Qy    63 eArgTrpLeuLeuAsnGlyGlnProLeuSerMetValProProAspProHisHisLeuLe  83
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   180 CCGCTGGTTGCTGAATGGCCAGCCCCTGAGCATGGTGCCCCCAGACCCACCACCTCCT 239

Qy    83 uProAspGlyThrLeuLeuLeuGlnProGlnAlaArgGlyHisAlaHisAspGlyGl 103
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   240 GCCTGATGGGACCCTTCTGCTGCTACAGCCCCGGCCCGGGACCATGCCCACGATGGCCA 299
```

```
Qy   103 nAlaLeuSerThrAspLeuGlyValTyrThrCysGluAlaSerAsnArgLeuGlyThrAl 123
          ||||||||||||||||||||||||||||||||||||||||||||||||| ||||
Db   300 GGCCCTGTCCACAGACACCTGGGTGTCTACACATGTGAGGCCAGCAACCGGCTTGGCACGGC 359

Qy   123 aValSerArgGlyAlaArgLeuSerValAlaValAlaArgGluArgGlnIleGlnPr 143
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   360 AGTCAGCAGAGGGCGGCTCGGCTGTCTGTGGCTGTCCCGGAGGATTCCAGATCCAGCC 419

Qy   143 oArgAspMetValAlaValValGlyGlnPheThrLeuGlyCysGlyProProTrpGl 163
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   420 TCGGGACATGGTGGCGTGGTGGTGGGTGAGCAGTTTACTCTGGAATGTGGGCCGCCCTGGGG 479

Qy   163 yHisProGluProThrValSerTrpProLysAspGlyGlyLysProLeuAlaLeuGlnProGl 183
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   480 CCACCCAGAGCCCACAGTCTCATGTGAAAAGATGGAAAACCCCTGGCCCTCAGCCCCG 539

Qy   183 yArgHisThrValSerGlyGlySerLeuLeuMetAlaArgAlaGluLysSerAspGlu** 203
          |||||||||||||||||||||||||||||||||||||||||||||||||||
Db   540 AAGGCACACAGTGTCCGGGGGGGTCCCTGCTGATGGCAAGAGCAGAGAGTGACGAAGG 599

Qy   203 *-ThrTyrMetCysValAlaThrAsnSerAlaGlyHisArgGluSerArgAlaAlaArgV 223
           |||||||||||||||||||||||||||||||||||||||||||||||||
Db   600 -GACCTACATGTGTGTGGCCACCACAGCCCAGGACATAGGAGGAGCCGCGAGCCCGGG 658

Qy   223 aSerIleGlnGluProGlnAspTyrThrGluProValGluLeuLeuAlaValArgIleG 243
          ||||||||||||||||||||||||||||||||||||||||||||||||||
Db   659 TTTCCATCCAGGAGCCCCAGGACTACACCGAGCCTGTGGAGCTTCTGGCTGTGCGAATTC 718

Qy   243 lnLeuGluAsnValThrLeuLeuAsnProAspProAlaGluGlyProLysProArgProA 263
          |||||||||||||||||||||||||||||||||||||||||||||||
Db   719 AGCTCGGAAAATGTGACACTGCTGAACCCGGATCCTGCGAGAGGGGCCCCAAGCCTAGACCGG 778

Qy   263 laValTrpLeu 266
          |||||||||||
Db   779 CGGTGTGGCTC 789
```

```
RESULT 14
US-09-978-564A-210
; Sequence 210, Application US/09978564A
; Publication No. US2003005024lA1
; GENERAL INFORMATION:
;   APPLICANT: Ashkenazi, Avi
;   APPLICANT: Baker, Kevin P.
;   APPLICANT: Botstein, David
;   APPLICANT: Desnoyers, Luc
;   APPLICANT: Eaton, Dan
;   APPLICANT: Ferrara, Napoleon
;   APPLICANT: Filvaroff, Ellen
;   APPLICANT: Fong, Sherman
;   APPLICANT: Gao, Wei-Qiang
;   APPLICANT: Gerber, Hanspeter
;   APPLICANT: Gerritsen, Mary E.
;   APPLICANT: Goddard, Audrey
;   APPLICANT: Godowski, Paul J.
;   APPLICANT: Grimaldi, J. Christopher
;   APPLICANT: Gurney, Austin L.
;   APPLICANT: Hillan, Kenneth J
;   APPLICANT: Kljavin, Ivar J.
;   APPLICANT: Kuo, Sophia S.
;   APPLICANT: Napier, Mary A.
;   APPLICANT: Pan, James
;   APPLICANT: Paoni, Nicholas F.
;   APPLICANT: Roy, Margaret Ann
;   APPLICANT: Shelton, David L.
;   APPLICANT: Stewart, Timothy A.
;   APPLICANT: Tumas, Daniel
;   APPLICANT: Williams, P. Mickey
;   APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C25
; CURRENT APPLICATION NUMBER: US/09/978,564A
; CURRENT FILING DATE: 2001-10-16
```

```
PRIOR APPLICATION NUMBER: 09/918585
PRIOR FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/064249
PRIOR FILING DATE: 1997-11-03
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066364
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
PRIOR APPLICATION NUMBER: 60/077632
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077641
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077791
PRIOR FILING DATE: 1998-03-12
PRIOR APPLICATION NUMBER: 60/078004
PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: 60/078886
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078936
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078939
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079664
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079689
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079786
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079920
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/079923
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/080105
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080107
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080194
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080327
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/080328
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080333
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080334
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/081070
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/081049
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081071
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081195
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081203

PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081955
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081819
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081952
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081838
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082568
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082569
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082704
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082804
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082700
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082797
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082796
PRIOR FILING DATE: 1998-04-23
PRIOR APPLICATION NUMBER: 60/083336
PRIOR FILING DATE: 1998-04-27
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083392
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083495
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083496
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083499
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083554
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083558
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083559
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083500
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083742
PRIOR FILING DATE: 1998-04-30
PRIOR APPLICATION NUMBER: 60/084366
PRIOR FILING DATE: 1998-05-05
PRIOR APPLICATION NUMBER: 60/084414
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084441
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084639
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084640
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084598
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084643
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
```

Alignment Scores:
Pred. No.:
Score: 148.00
Percent Similarity: 98.49%
Best Local Similarity: 98.49%
Query Match: 48.84%
DB:

Length: 3716
Matches: 261
Conservative: 0
Mismatches: 2
Indels: 4
Gaps: 0

US-10-047-021-86 (1-303) x US-09-978-564A-210 (1-3716)

```
Qy    4 GlyGlyAspSerLeuLeuGlyGlyArgGlySerLeuProLeuLeuLeuLeuIleLeuIleMet  23
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1 GGAGGGACAGCAGCCTCCTGGGGGGCCAGGGGTTCCTGCCTCTGCTCCTGCTCATCATG  60

Qy   24 GlyGlyMetAlaIleArgIleAspSerProProGlnIleLeuValHisProGlnAspGlnLeuPhe  43
          ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   61 GGAGGCATGGCTCAGGACTCCCCGCCCCAGGATCCTAGTCCACCCCCAGGACCAGCTGTTC 120

Qy   44 GlnGlyProGlyProAlaArgMetSerCysArg-AlaSerGlyGlnProProProThrIl  63
          |||||||||||||||||||||||||||||| |||||||||||||||||||||
Db  121 CAGGGCCCTGGCCCTGCCAGGATGAGCTGCCA-AGCCTCAGGCCAGCCACCTCCACCCAT 179

Qy   63 eArgTrpLeuLeuAsnGlyGlnProLeuSerMetValProProAspProHisHisLeuLe  83
          |||||||||||||||||||||||||||||||||||||||||||||||
Db  180 CCGCTGGTTGCTGAATGGGCAGCCCCTGAGCATGGTGCCCCCAGACCCACACCTCCT 239

Qy   83 uProAspGlyThrLeuLeuLeuGlnProProAlaArgGlyHisAlaHisAspGlyGl 103
          |||||||||||||||||||||||||||||||||||||||||||||||
Db  240 GCCTGATGGGACCCTTCTGCTCACAGCCCCCGGGGACATGCCCACGATGGCCA 299

Qy  103 nAlaLeuSerThrAspPLeuGlyValTyrThrCysGluAlaSerAsnArgLeuGlyThrAl 123
          |||||||||||||||||||||||||||||||||||||||||||||
Db  300 GGCCCTGTCCACAGACCCTGGGGTGTCTACACACATGAGCCAGCAACCGGCTTGGCACGGC 359

Qy  123 aValSerArgGlyAlaArgLeuSerValAlaValAlaLeuArgGluAspPheGlnIleGlnPr 143
          ||||||||||||||||||||||||||||||||||||||||||||
Db  360 AGTCAGCAGAGGCGCTCGGCGTGTCGTGGCTGTCCTCCGGGAGGATTTCCAGATCCAGCC 419

Qy  143 oArgAspMetValAlaValAlaValGlyGluGlnPheThrLeuGluCysGlyProProTrpGl 163
          |||||||||||||||||||||||||||||||||||||||||||||
Db  420 TCGGGACATGGTGGCTGTGGTGGTGAGCAGTTTACTCTGGAATGTGGGCCGCCCTGGGG 479

Qy  163 yHisProGluProThrValSerTrpTrpLysAspGlyGlyLysProLeuAlaLeuGlnProGl 183
          |||||||||||||||||||||||||||||||||||||||||||||
Db  480 CCACCCAGAGCCCACAGTCTCATGGTGGAAAGATGGGAAACCCCTGGCCCTCCAGCCCGG 539

Qy  183 YArgHisThrValSerGlyGlySerLeuLeuMetAlaArgAlaGluLysSerSerAspGlu** 203
          |||||||||||||||||||||||||||||||||||||||||||||
Db  540 AAGGCACACAGTGTCCGGGGGGTCCCTGCTGATGGCAAGAGCAGAGAGAGTGACGGAGG 599

Qy  203 *-ThrTyrMetCysValAlaThrAsnSerAlaGlyHisArgGluSerArgAlaAlaArgV 223
           |||||||||||||||||||||||||||||||||||||||||||||
Db  600 -GACCTACATGTGTGTGGCCACCAACAGCGCAGGACATAGGAGAGCCGCGCAGCCCGGG 658

Qy  223 alSerIleGlnGluProGlnAspTyrThrGluProValGluLeuLeuAlaValAlaArgIleG 243
          |||||||||||||||||||||||||||||||||||||||||||||
Db  659 TTTCCATCCAGGAGCCCCAGGACTACACGGAGCCTGTGGAGCTTCTGGCTGTGCGAATTC 718

Qy  243 lnLeuGluAsnValThrLeuLeuAsnProAspProAlaGluGlyProLysProArgProA 263
          |||||||||||||||||||||||||||||||||||||||||||||
Db  719 AGCTGAAAATGTGACACTGCTGAACCCGATCCTGCAGAGGGCCCCAAGCCTAGACCGG 778

Qy  263 laValTrpLeu 266
          |||||||||
Db  779 CGGTGTGGCTC 789
```

RESULT 15
US-09-999-833A-210
; Sequence 210, Application US/09999833A
; Publication No. US20030054405A1
GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Baker Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan
; APPLICANT: Ferrara, Napoleon
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Kuo, Sophia S.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James;
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Shelton, David L.
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2630P1C65
; CURRENT APPLICATION NUMBER: US/09/999,833A
; CURRENT FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: 09/918585
; PRIOR FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/064249
; PRIOR FILING DATE: 1997-11-03
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066364
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077641
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077791
; PRIOR FILING DATE: 1998-03-12
; PRIOR APPLICATION NUMBER: 60/078004
; PRIOR FILING DATE: 1998-03-13
; PRIOR APPLICATION NUMBER: 60/078886

PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078936
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078939
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079294
PRIOR FILING DATE: 1998-03-25
PRIOR APPLICATION NUMBER: 60/079656
PRIOR FILING DATE: 1998-03-26
PRIOR APPLICATION NUMBER: 60/079664
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079689
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079663
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079728
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079786
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079920
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/079923
PRIOR FILING DATE: 1998-03-30
PRIOR APPLICATION NUMBER: 60/080105
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080107
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080165
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080194
PRIOR FILING DATE: 1998-03-31
PRIOR APPLICATION NUMBER: 60/080327
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080328
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080333
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/080334
PRIOR FILING DATE: 1998-04-01
PRIOR APPLICATION NUMBER: 60/081070
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081049
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081071
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081195
PRIOR FILING DATE: 1998-04-08
PRIOR APPLICATION NUMBER: 60/081203
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081229
PRIOR FILING DATE: 1998-04-09
PRIOR APPLICATION NUMBER: 60/081955
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081817
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081819
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081952
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/081838
PRIOR FILING DATE: 1998-04-15
PRIOR APPLICATION NUMBER: 60/082568
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082569
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082704
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/082804
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082700

PRIOR APPLICATION NUMBER: 60/082797
PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/082796
PRIOR FILING DATE: 1998-04-23
PRIOR APPLICATION NUMBER: 60/083336
PRIOR FILING DATE: 1998-04-27
PRIOR APPLICATION NUMBER: 60/083322
PRIOR FILING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/083392
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083495
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083496
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083499
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083545
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083554
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083558
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083559
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083500
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083742
PRIOR FILING DATE: 1998-04-30
PRIOR APPLICATION NUMBER: 60/084366
PRIOR FILING DATE: 1998-05-05
PRIOR APPLICATION NUMBER: 60/084414
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084441
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: 60/084637
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084639
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084640
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084598
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084600
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084627
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/084643
PRIOR FILING DATE: 1998-05-07
PRIOR APPLICATION NUMBER: 60/085339
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085338
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085323
PRIOR FILING DATE: 1998-05-13
PRIOR APPLICATION NUMBER: 60/085582
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085700
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085689
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085580
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085573
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085704
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/085697

Alignment Scores:
Pred No : 1 37e-131 Length

```
Percent Similarity:      98.49%        Conservative:  0
Best Local Similarity:   98.49%        Mismatches:    2
Query Match:             48.84%        Indels:        4
DB:                      10            Gaps:          0

US-10-047-021-86 (1-303) x US-09-999-833A-210 (1-3716)

Qy     4 GlyGlyAspSerLeuLeuGlyGlyArgGlySerLeuProLeuLeuLeuLeuIleMet     23
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     1 GGAGGAGACAGCCTCCTGGGGGGGCAGGGGTTCCCTGCCCTTGCTCCTGCTCATCATG     60

Qy    24 GlyGlyMetAlaGlnAspSerProProGlnIleLeuValHisProGlnAspGlnLeuPhe    43
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    61 GGAGGCATGGCTCAGGACTCCCGCCCCAGATCCTTAGTCCACCCCCAGGACCAGCTGTTC   120

Qy    44 GlnGlyLyProGlyProAlaArgMetSerCysArg-AlaSerGlyGlnProProThrIl     63
          ||||||||||||||||||||||||||||||||||  |||||||||||||||||||||||
Db   121 CAGGGCCCCTGGCCCTGCCCAGGATGAGCTGCCA-AGCCTCAGGCCAGCCACCTCCCACCAT   179

Qy    63 eArgTrpLeuLeuAsnGlyGlnProLeuSerMetValProProAspProHisHisLeuLe    83
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   180 CCGCTGGTTGCTGAATGGGCAGCCCCTGAGCATGTGCCCCCAGACCCCACCACCTCCT    239

Qy    83 uProAspGlyThrLeuLeuLeuGlnProProAlaArgGlyHisAlaHisAspGlyGl    103
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   240 GCCTGATGGGACCCTTCTGCTGCTACAGCCCCTGCCCGGGACATGCCCACGATGGCCA    299

Qy   103 nAlaLeuSerThrAspLeuGlyValTyrThrCysGlyAlaSerAsnArgLeuGlyThrAl   123
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   300 GGCCCTGTCCACAGACCTGGGTGTCTACACATGTGAGGCCAGCAACCGGCTTGGCACGGC   359

Qy   123 aValSerArgGlyAlaArgLeuSerValAlaValLeuArgGluAspPheGlnIleGlnPr   143
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   360 AGTCAGCAGAGGCGGCTCGGCGTGTCTGTGGCTGTCCTCCGGGAGGATTTCCAGATCCAGCC   419

Qy   143 oArgAspMetValAlaValAlaValGlyGluGlnPheThrLeuGlnCysGlyProProTrpGl   163
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   420 TCGGGACATGGTGGCTGTGGTGGTGGGTGAGCAGTTTACTCTGCAAATGTGGGCCGCCCTGGGG   479

Qy   163 yHisProGluProThrValSerTrpTrpLysAspGlyLysProLeuAlaLeuGlnProGl    183
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   480 CCACCCAGAGCCCACAGTCTCATGGTGGAAAGATGGGAAACCCCTGGCCCTCCAGCCCGG     539

Qy   183 yArgHisThrValSerGlyLyGlySerLeuLeuMetAlaArgGlyAlaGluLuSerAspGlu**   203
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   540 AAGGCACACAGTGTCCCGGGGGTCCCTGCTGATGGCAAGAGCAGAGAAGAGTGACCGAAGG   599

Qy   203 *-ThrTyrMetCysValAlaThrAsnSerAlaGlyHisArgGluSerArgAlaAlaArgV   223
          | ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   600 -GACCTACATGTGTGTGGCCACCAACAGCGCAGGACATAGGAGGAGCCGGGCAGCCCGGG   658

Qy   223 alSerIleGlnGluProGlnAspTyrThrGluProValGluLeuLeuAlaValArgIleG   243
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   659 TTTCCATCCAGGAGCCCCAGGACTACACGGAGCCTGTGGAGCTTCTGGCTGTGCGAATTC   718

Qy   243 lnLeuGluAsnValThrLeuLeuAsnProAspProAlaGluGlyProLysProArgProA   263
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   719 AGCTGGAAAATGTGACACTGCTGAACCCGGATCCTGCAGAGGGCCCCAAGCCTAGACCGG   778

Qy   263 laValTrpLeu   266
          |||||||||||
Db   779 CGGTGTGGCTC   789
```

Search completed: June 26, 2004, 13:14:14
Job time : 373 secs